

```
{7,"<B>","","</B>","","<|>","","</|>","","<TABLE>")}
```

```
procedure pcwrapHLRT(page P)
scan to the line 7 in P
while the next occurrence of /i in P occurs before the next occurrence of t
    scan in P to next occurrence of  $l_i$ ; save position as start of item attribute
    scan in P to next occurrence of  $r_i$ ; save position as end of item attribute
    scan in P to next occurrence of  $l_p$ ; save position as start of price attribute
        scan in P to next occurrence of  $r_p$ ; save position as end of price attribute
return extracted . . . . , (item,price),. . . . } pairs
```

## FIGURE 1 (PRIOR ART)

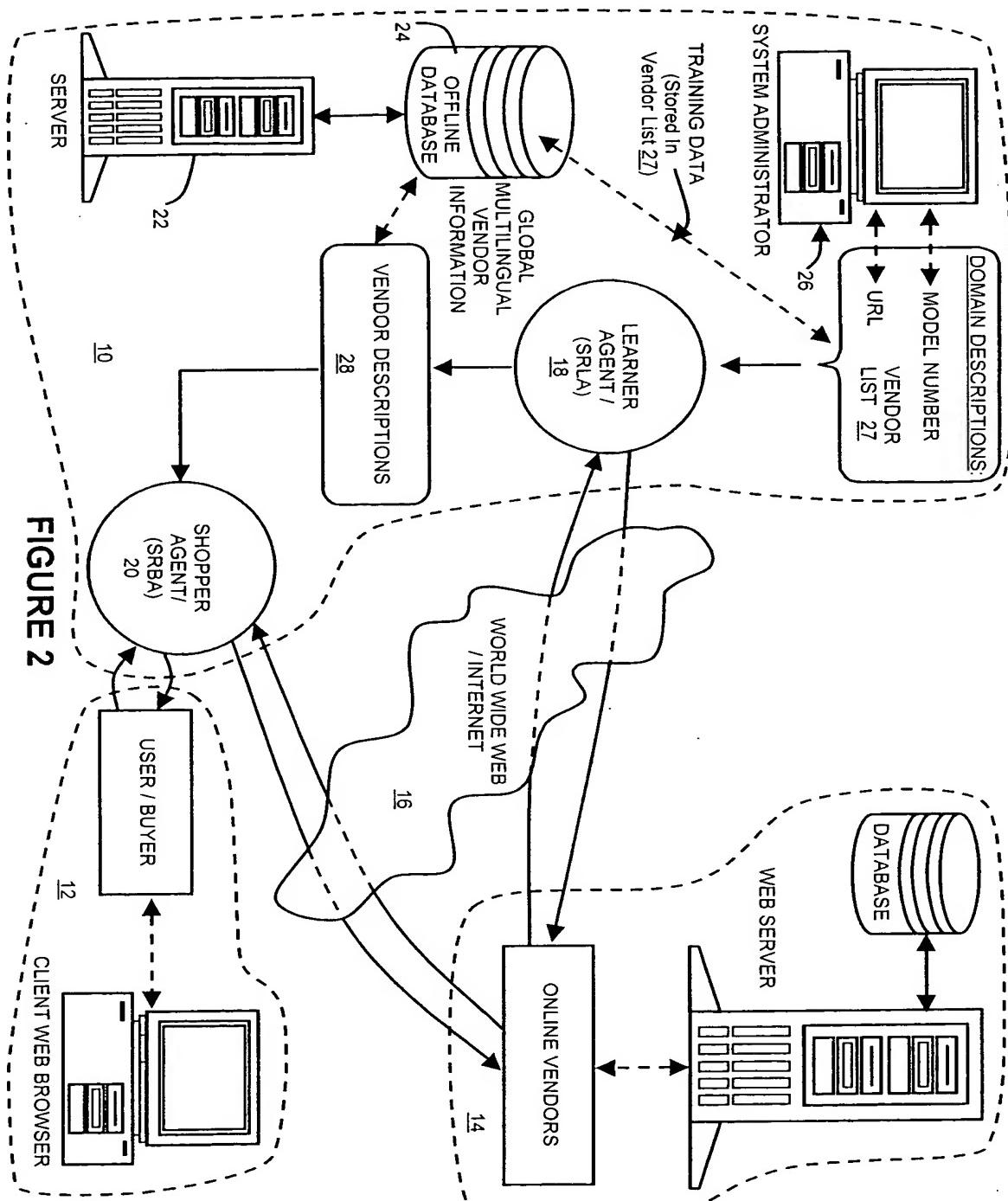
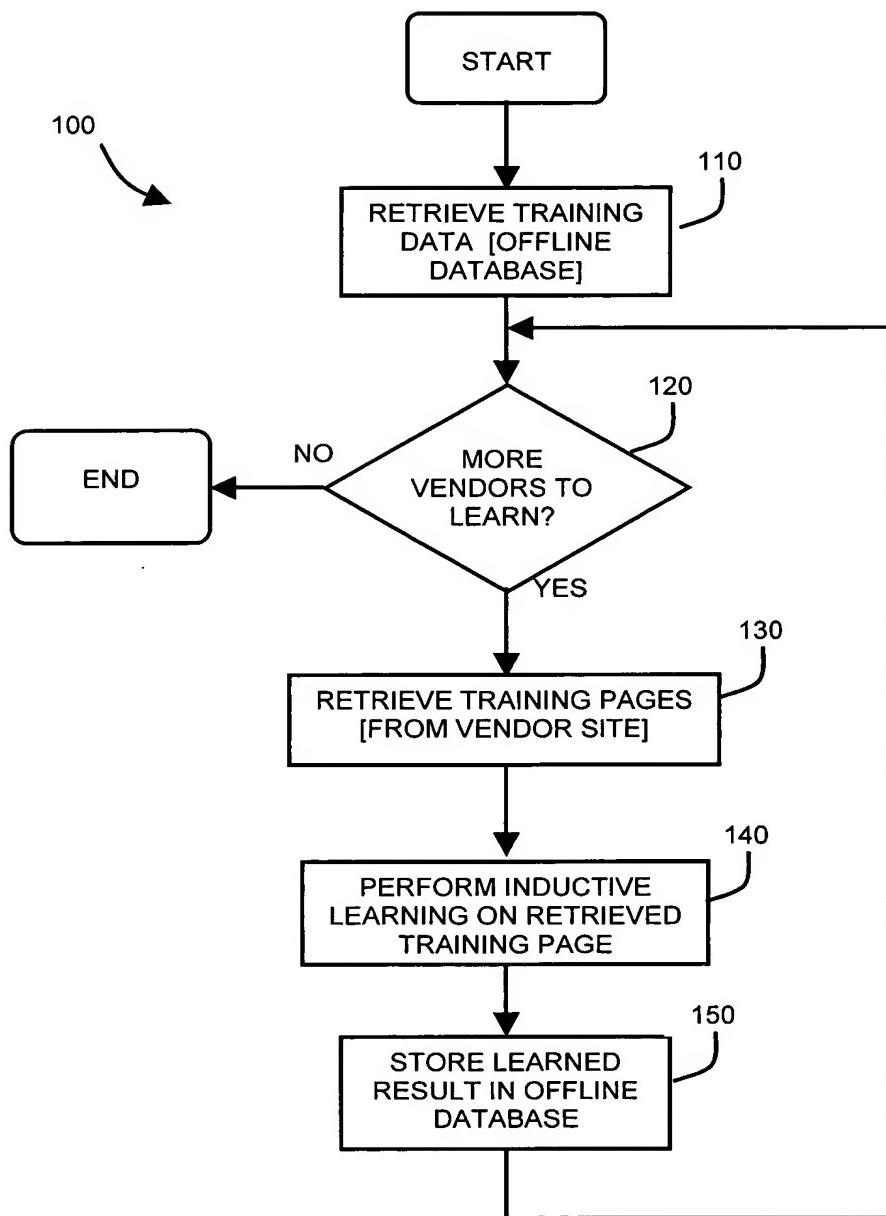


FIGURE 2



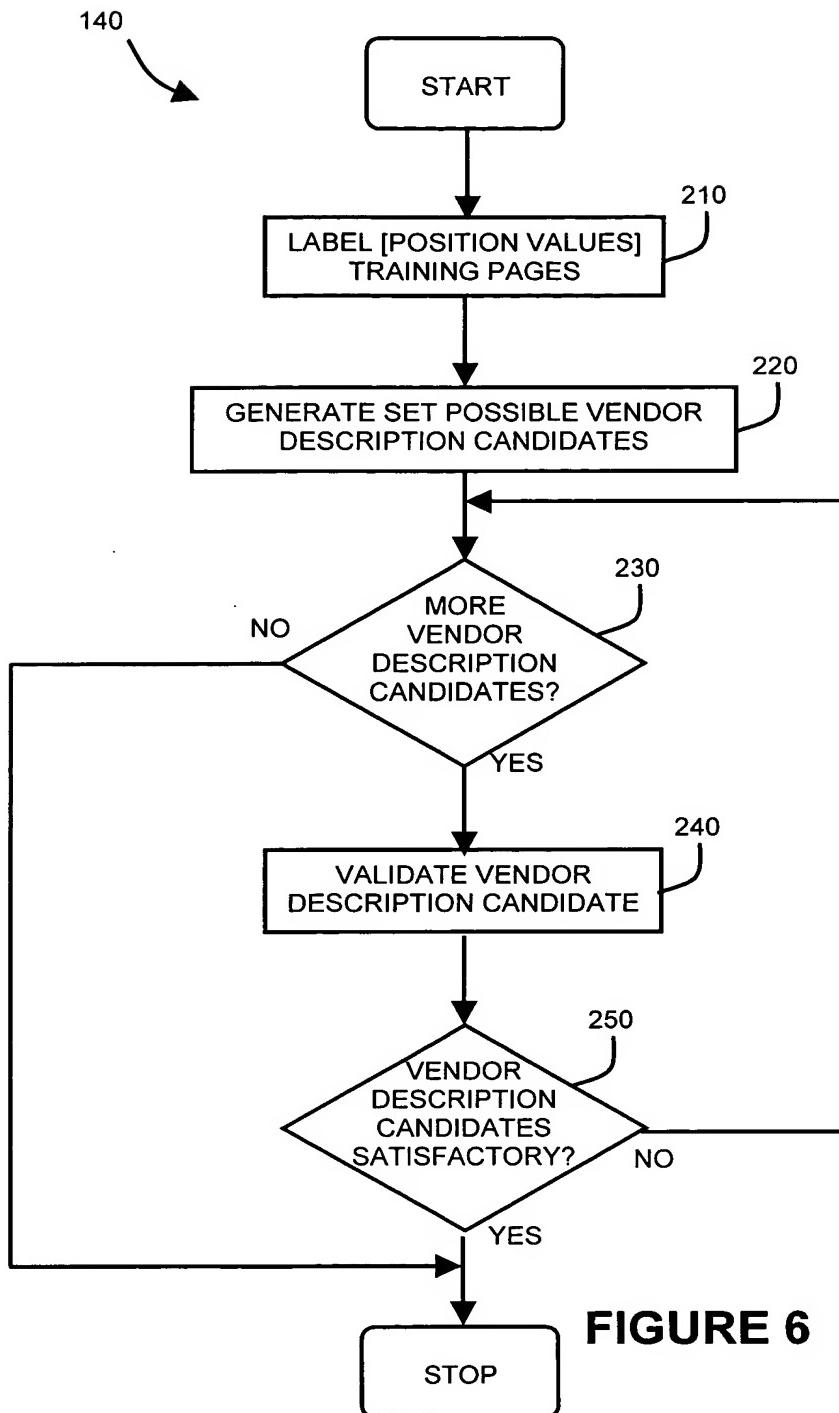
**FIGURE 3**

| Element Name             | Element Description   |
|--------------------------|---|
| Vendor Name              | Name of the online shop   |
| Vendor URL               | The URL of the online shop  |
| Form URL                 | The URL to submit search data   |
| Learning Domain          | The domain used to learn the vendor description   |
| Head                     | The end of header position of vendor's product pages.<br>This element to learnt to reduce the product page searching space and thus shorten the product information extraction time |
| Tail                     | The start of footer position of vendor's product pages.<br>Same as Head element, with this element the product information extraction time for Shopper Agent is shorten.            |
| Left Delimiter of Item   | The Shopper Agent uses this two delimiters to identify a product  |
| Right Delimiter of Item  |   |
| Left Delimiter of Price  | The Shopper Agent uses this two delimiters to locate a product's price information  |
| Right Delimiter of Price |   |

**FIGURE 4**

| EXAMPLE                  |   |
|--------------------------|---|
| Element Name             | Element Description   |
| Vendor Name              | 800.com   |
| Vendor URL               | <a href="http://www.800.com">http://www.800.com</a>   |
| Form URL                 | <a href="http://www.800.com/search/srchrsits.asp?qs=1&amp;siteentry&gt;All&amp;entry=">http://www.800.com/search/srchrsits.asp?qs=1&amp;siteentry&gt;All&amp;entry=</a> |
| Learning Domain          | Md  |
| Head                     | 1230  |
| Tail                     | </BODY>   |
| Left Delimiter of Item   | /td width="12">   |
| Right Delimiter of Item  | </fon   |
| Left Delimiter of Price  | Your Price: \$  |
| Right Delimiter of Price | </b>  |

**FIGURE 5**



**FIGURE 6**

| MD PRICE     |              | <HTML>  |
|--------------|--------------|---|
|              |              | <TITLE><B>A Simple Product Catalogs</B></TITLE>         |
| Model Number | PRICE (US\$) | <BODY>  |
| HM381MD      | 399.95       | <H2> MD Price </H2>                                     |
| MD2070       | 599.95       | <TABLE BORDER=1>  |
| MD203        | 249.95       | <TR BGCOLOR=ORANGE><TH> Model Number </TH>              |
| MDR3         | 399.95       | <TH> PRICE(US\$)</TH></TR>                              |
|              |              | <TR><TD><B> HM381MD</B></TD><TD><I>399.95</I></TD></TR> |
|              |              | <TR><TD><B> MD2070</B></TD><TD><I>599.95</I></TD></TR>  |
|              |              | <TR><TD><B> MD203</B></TD><TD><I>249.95</I></TD></TR>   |
|              |              | <TR><TD><B> MDR3</B></TD><TD><I>399.95</I></TD></TR>    |
|              |              | </TABLE>  |
|              |              | <P>   |
|              |              | <HR WIDTH=200 ALIGN=LEFT>                               |
|              |              | <P>   |
|              |              | <B> End Of The Product Catalog </B>                     |
|              |              | </BODY>   |
|              |              | </HTML>   |

**FIGURE 7**

| Product Entry      | Labels                    |
|--------------------|---------------------------|
| { HM381MD, 399.95} | {<174, 180>, <197, 202>>} |
| { MD2070, 599.95}  | {<229, 234>, <251, 256>>} |
| { MD203, 249.95}   | {<283, 287>, <304, 309>>} |
| { MDR3, 399.95}    | {<336, 339>, <356, 361>>} |

**FIGURE 8**

| Product Entry     | Labels  |
|-------------------|---|
| { PRODUCT, PRICE} | {<PRODUCT LEFT DELIMITER,<br>PRODUCT RIGHT DELIMITER>,<br><PRICE LEFT DELIMITER, PRICE<br>RIGHT DELIMITER>} |
| ***               | ***   |

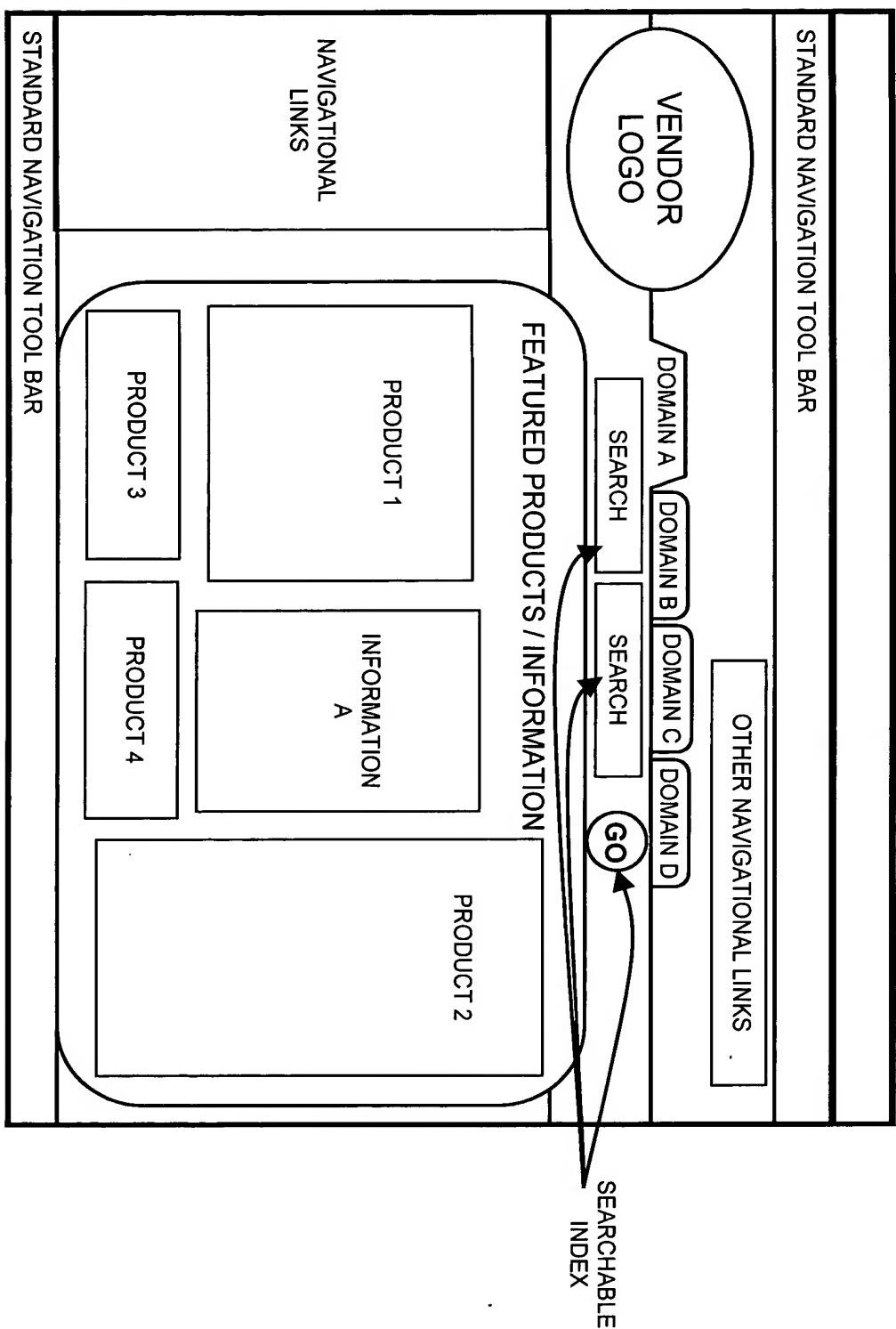
**FIGURE 9**

| Delimiter            | Candidates  |
|----------------------|---|
| Item Left Delimiter  | <TR><TD><B><br>TR><TD><B><br>R><TD><B><br>><TD><B><br><TD><B><br>TD><B><br>D><B><br>><B><br><B><br>B><br>>  |
| Item Right Delimiter | </B></TD><TD>< ><br></B></TD><TD>< ><br></B></TD><TD><<br></B></TD><TD><br></B></TD><TD<br></B></TD><T<br></B></TD><<br></B></TD><br></B></TD<br></B></T<br></B></<br></B><<br></B><br></B<br></<br>< |
| Price Left Delimiter | </B></TD><TD>< ><br>/B></TD><TD>< ><br>B></TD><TD>< ><br>></TD><TD>< ><br></TD><TD>< ><br>/TD><TD>< ><br>TD><TD>< ><br>D><TD>< ><br>><TD>< ><br><TD>< ><br>TD>< ><br>D>< ><br>>< ><br>< ><br> ><br>>  |

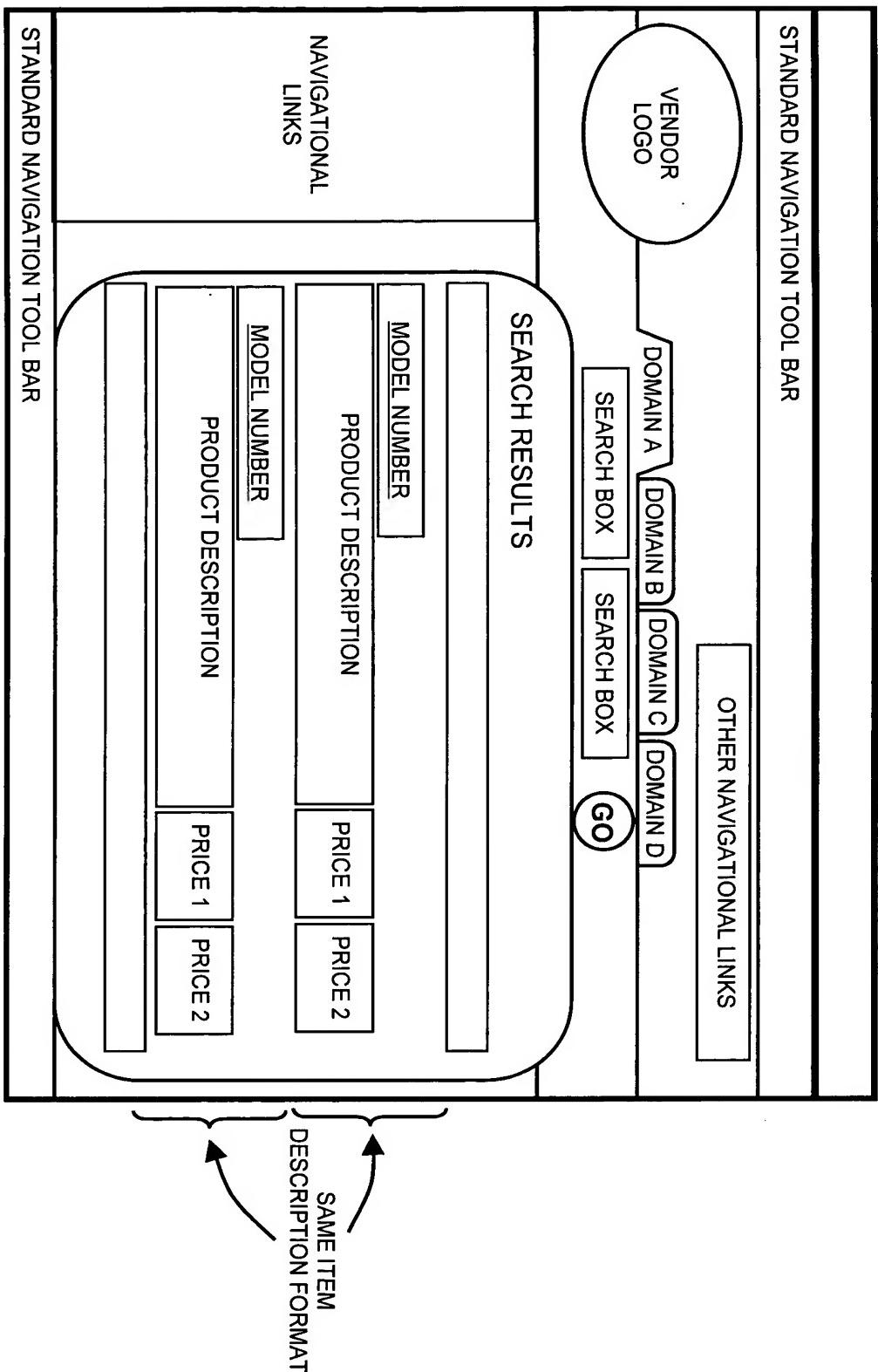
## **FIGURE 10A**

| Delimiter             | Candidates   |
|-----------------------|--|
| Price Right Delimiter | </></TD></TR><br></></TD></T><br></></TD></><br></></TD><><br></></TD><br></></TD><br></></T><br></></><br></><><br></><br></><br></><br></> |
| Head                  | <<br><H<br><HT<br><HTM<br><HTML<br><HTML><br>.... ....<br>.... .... ....   |
| Tail                  | ><br>L><br>ML><br>TML><br>HTML><br>/HTML><br>.... ....<br>.... .... ....   |

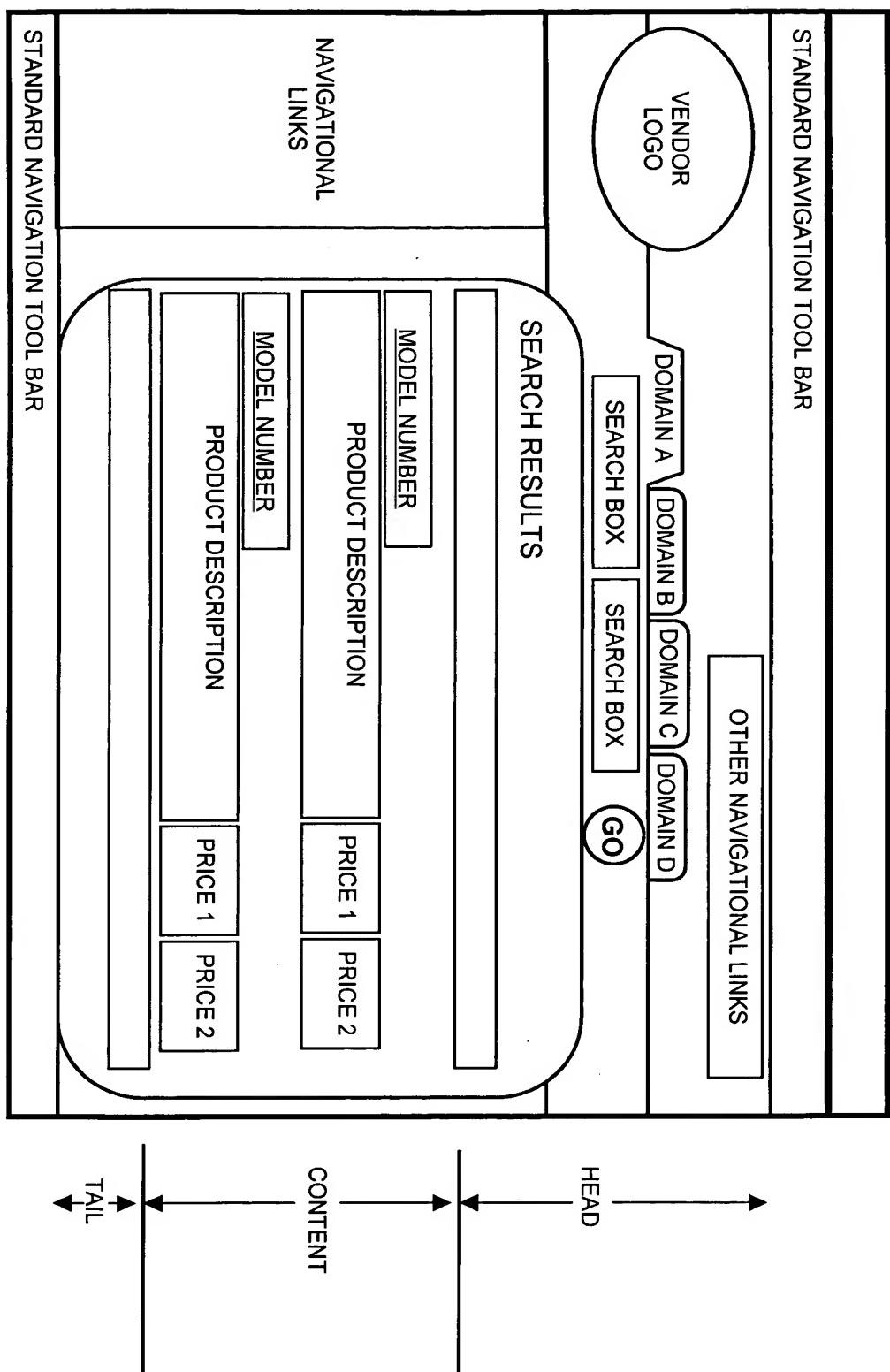
**FIGURE 10B**



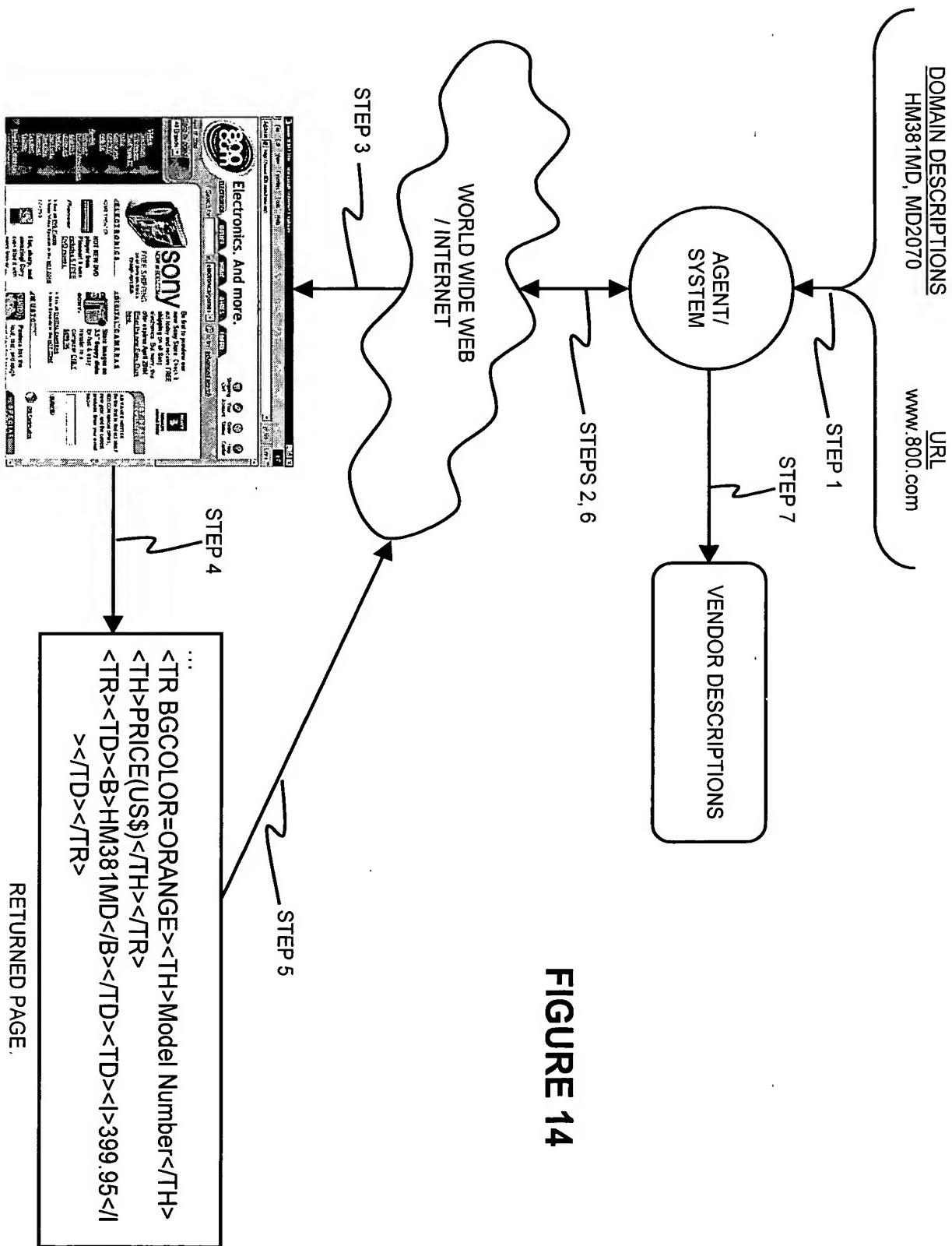
**FIGURE 11**



**FIGURE 12**



**FIGURE 13**



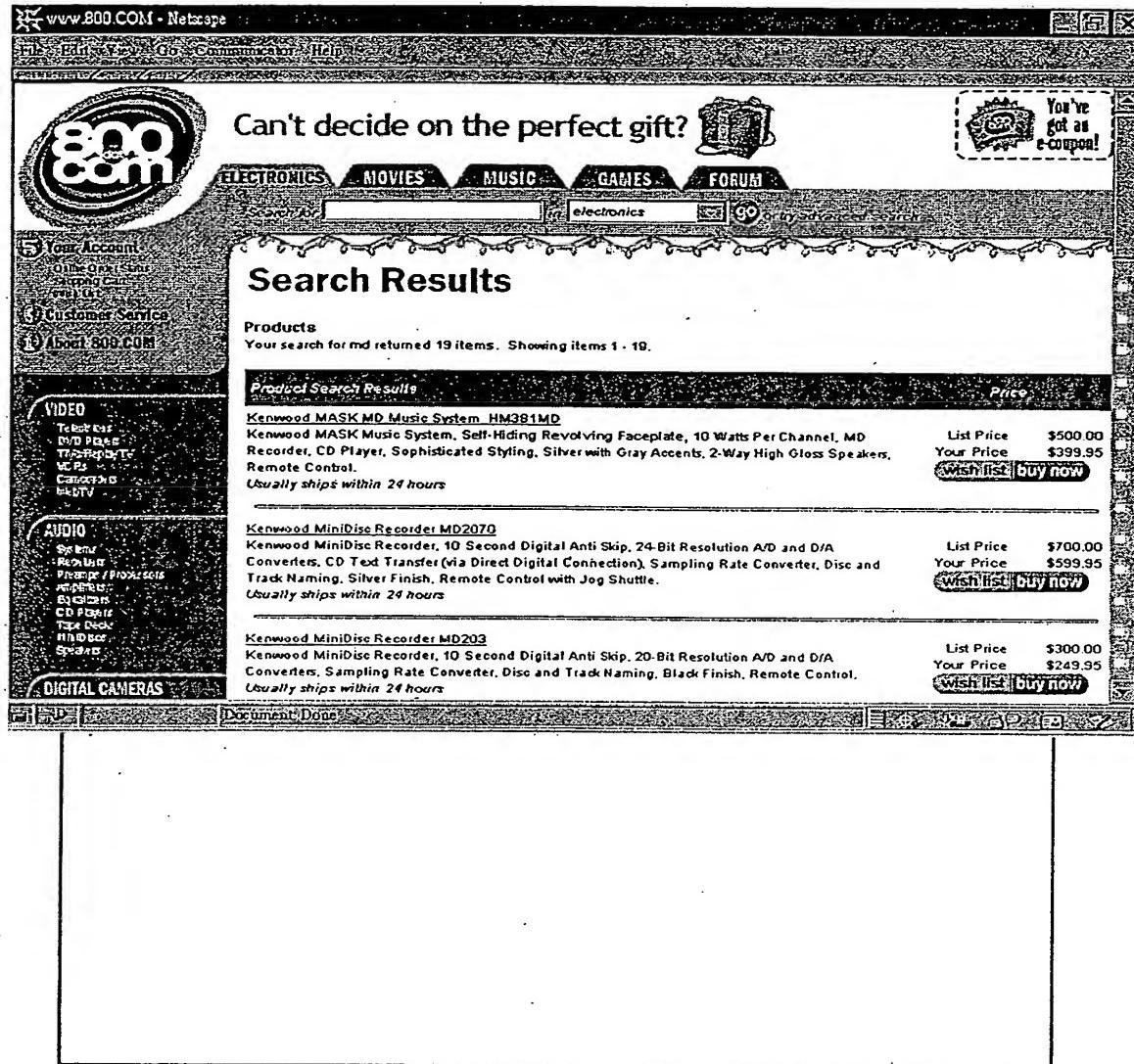
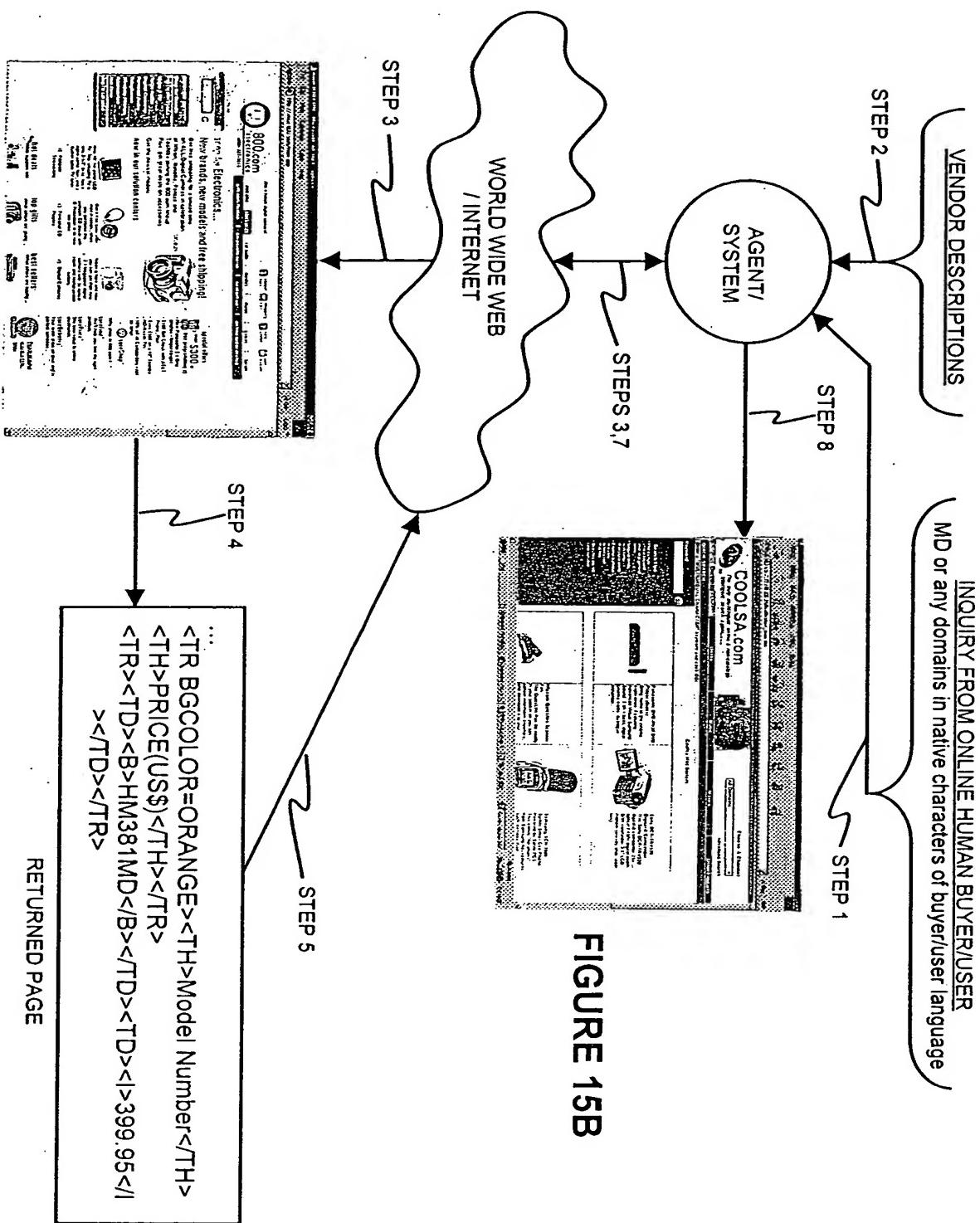
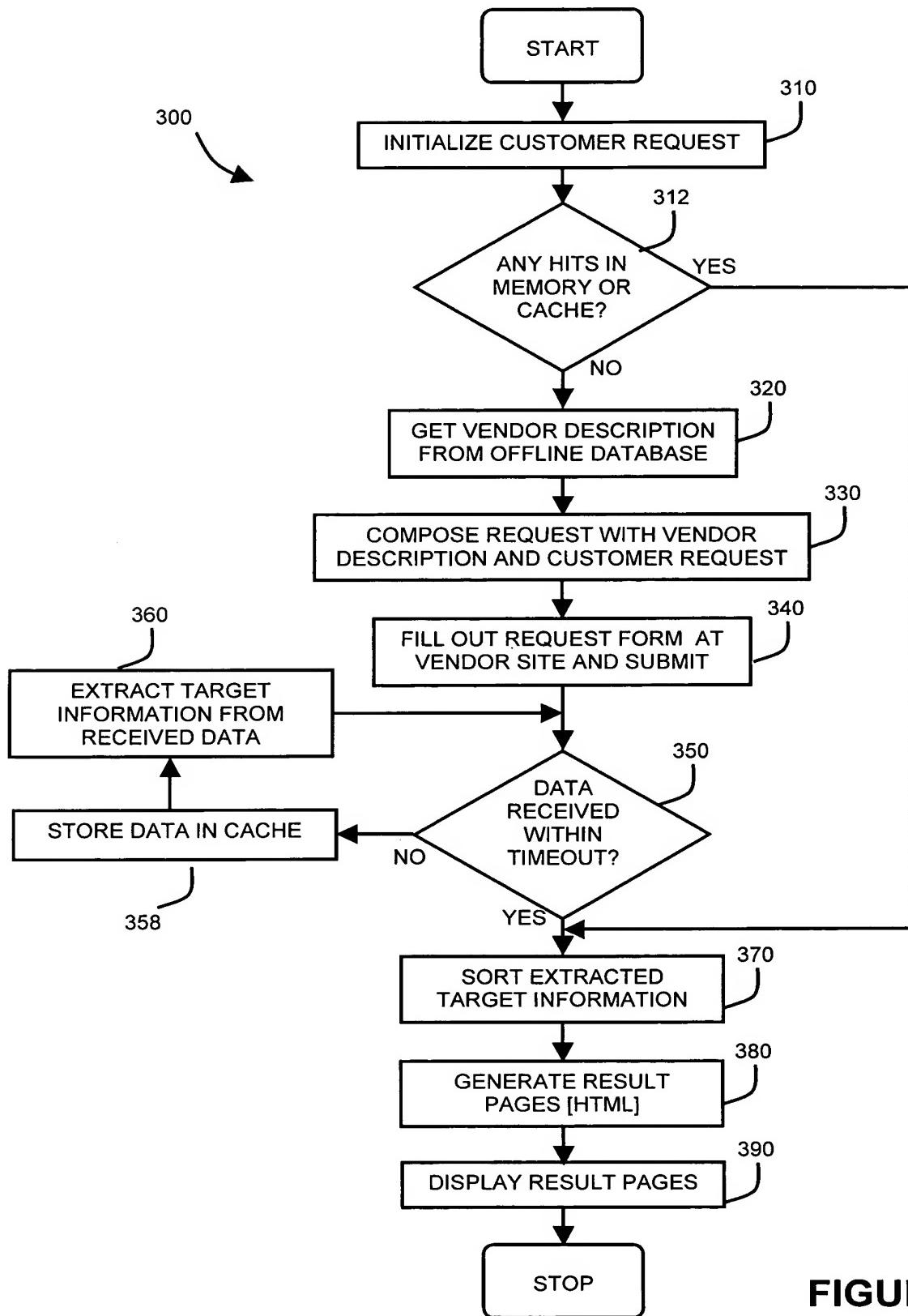


FIGURE 15A





**FIGURE 15C**

**Vendor Information**

Vendor Information Add Vendor

Add Vendor

**Details**

Vendor Name:   Provide Training Examples

URL:

Form's URL:

Learning Domain:

Enter Wrapper For This Vendor

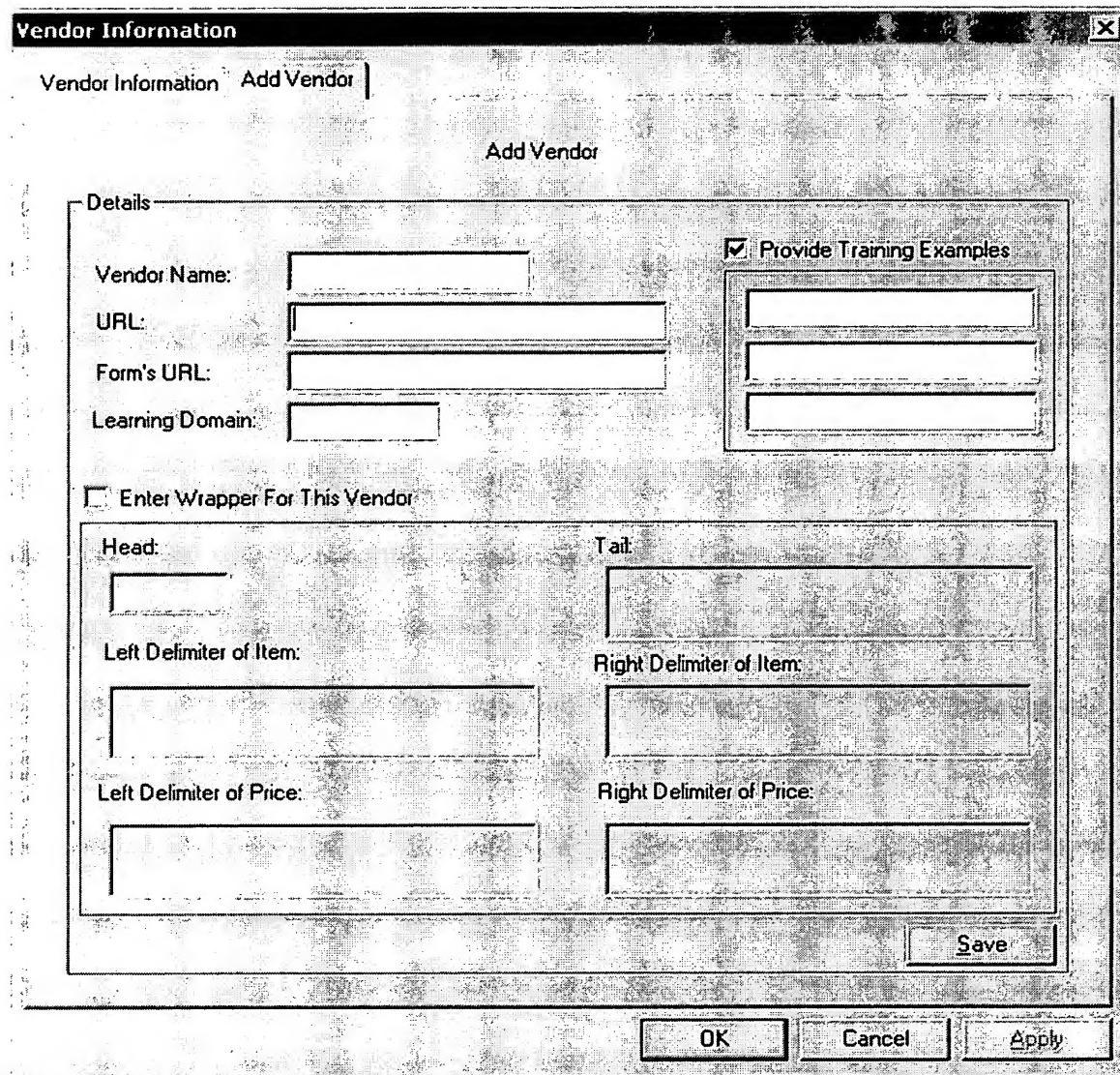
Head:  Tail:

Left Delimiter of Item:  Right Delimiter of Item:

Left Delimiter of Price:  Right Delimiter of Price:

**Save**

OK Cancel Apply



**FIGURE 16**

**Vendor Information**

[Vendor Information](#) [Add Vendor](#)

**Add Vendor**

**Details**

Vendor Name:

URL:

Form's URL:

Provide Training Examples

ebook Theater with I-Glasses

GD Dolby Digital DVD Player

bination LD/DVD/CD Player

Enter Wrapper For This Vendor

Head:

Tail:

Left Delimiter of Item:

Right Delimiter of Item:

Left Delimiter of Price:

Right Delimiter of Price:

**Save**

**OK** **Cancel** **Apply**

**FIGURE 17**

**Vendor Information**

Vendor Information | Add Vendor | X

Vendor Information

Vendor Name:

**Details**

Vendor Name:   
URL:   
Form's URL:   
Learning Domain:

**Wrapper**

Head:   
Tail:

Left Delimiter of Item:   
Right Delimiter of Item:

Left Delimiter of Price:   
Right Delimiter of Price:

**FIGURE 18**

**Vendor Information**

Vendor Information | Add Vendor

**Vendor Information**

Vendor Name:  Search

**Details**

Vendor Name:

URL:

Form's URL:

Learning Domain:

**Wrapper**

Head:

Tail:

Left Delimiter of Item:

Right Delimiter of Item:

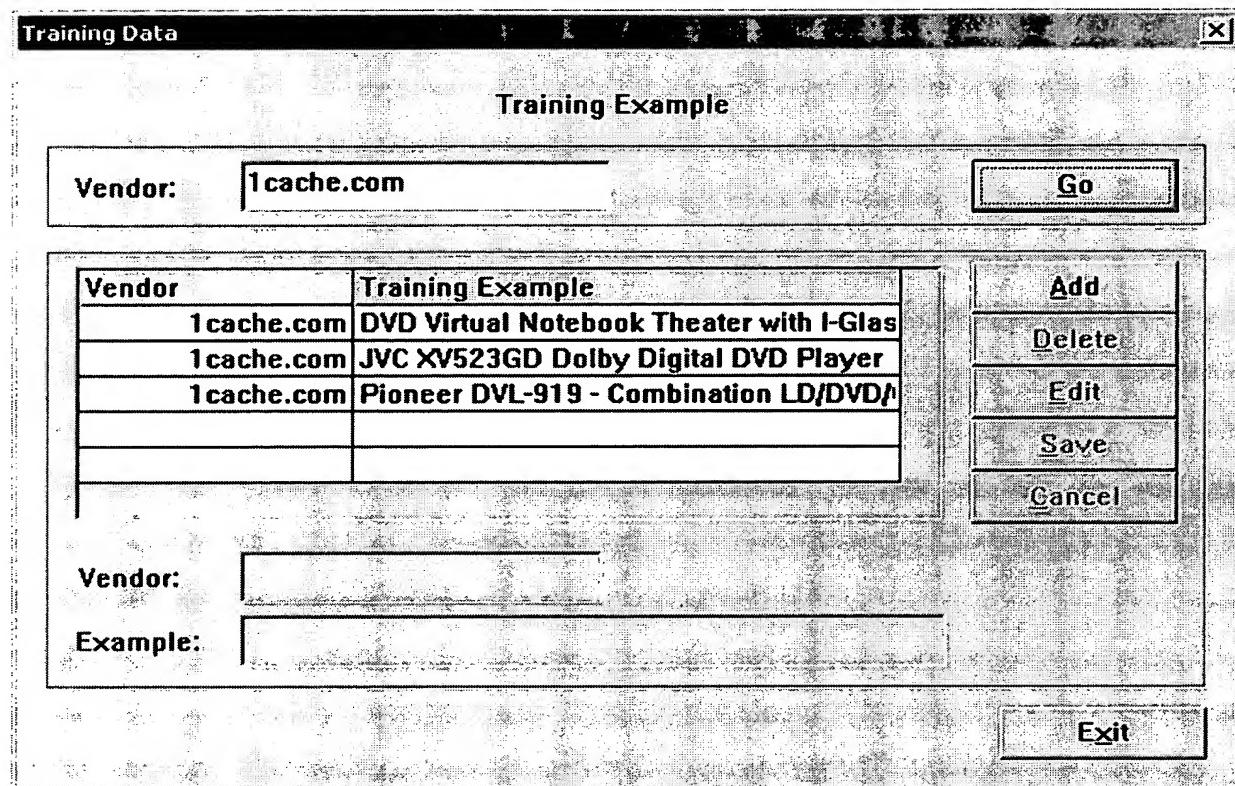
Left Delimiter of Price:

Right Delimiter of Price:

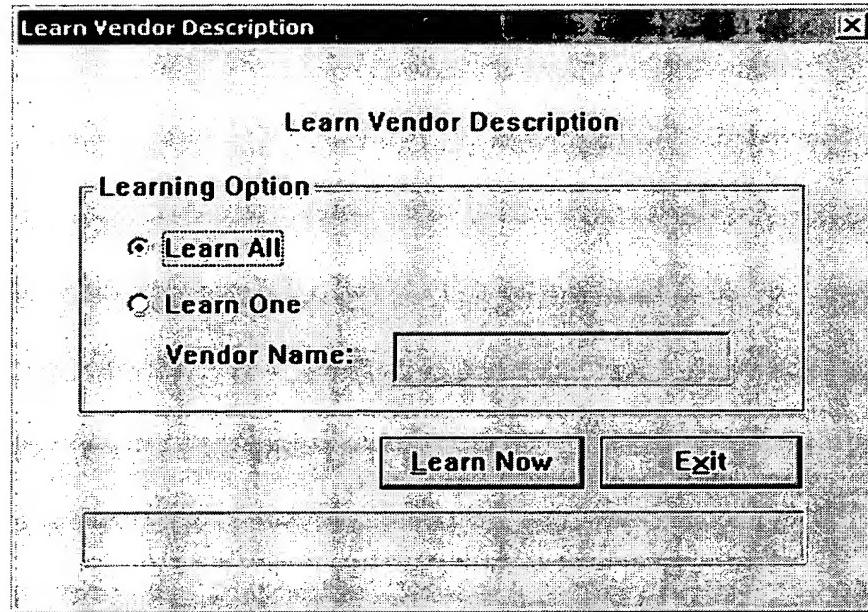
Save

OK Cancel Apply

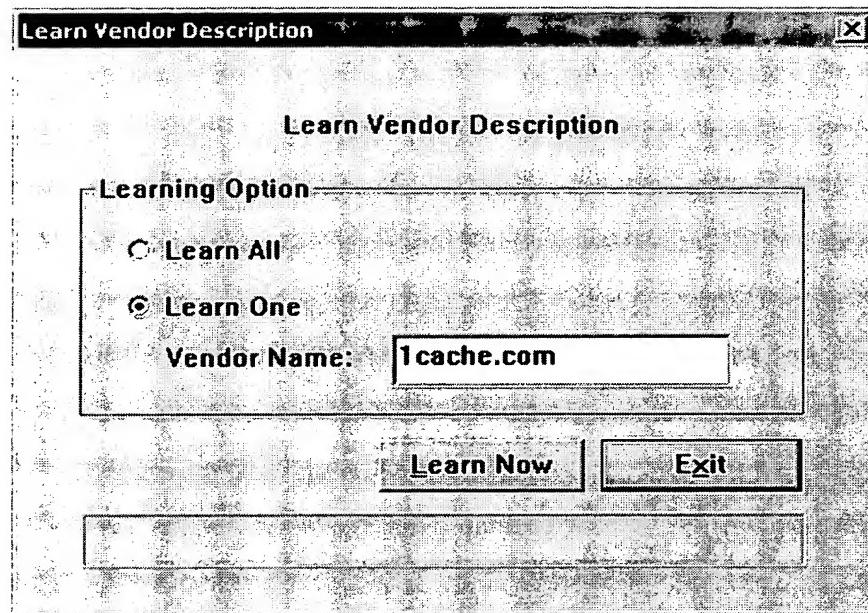
**FIGURE 19**



**FIGURE 20**



**FIGURE 21**



**FIGURE 22**

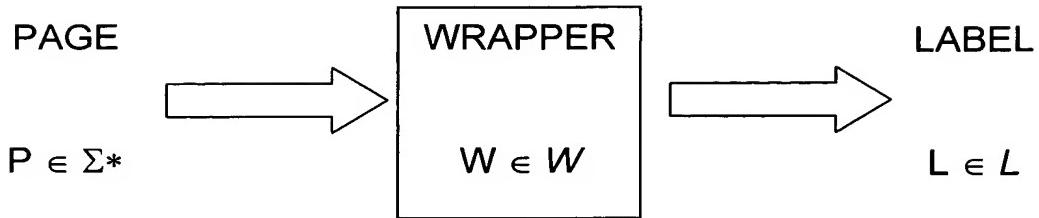
**Vendor Information**

Vendor Information | Add Vendor

**Vendor Information**

|  |   |                                       |   |
|--|---|---------------------------------------|---|
| Vendor Name:   | <input type="text" value="1cache.com"/>   | <input type="button" value="Search"/> |   |
| <b>Details</b>   |   |                                       |   |
| Vendor Name:   | <input type="text" value="1cache.com"/>   |                                       |   |
| URL:   | <input type="text" value="http://www.1cache.com"/>  |                                       |   |
| Form's URL:  | <input type="text" value="http://st4.yahoo.com/cgi-bin/nsearch?catalog=1ce"/>                   |                                       |   |
| Learning Domain:   | <input type="text" value="dvd"/>  |                                       |   |
| <b>Wrapper</b>   |   |                                       |   |
| Head:  | <input type="text" value="5230"/>   | Tail:                                 | <input 3"="" type="text" value="D&gt;&lt;/TD&gt;&lt;TD&gt;&lt;/TD&gt;&lt;/TR&gt;&lt;/&lt;/input&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Left Delimiter of Item:&lt;/td&gt;&lt;td colspan="/> <input type="text" value="G SRC=/img/trans_1x1.gif BORDER=0 WIDTH=100 HEIGHT=100"/> |
| Right Delimiter of Item:   | <input type="text" value="&lt;/b&gt;"/>   |                                       |   |
| Left Delimiter of Price:   | <input type="text" value="&lt;/b&gt;&lt;/A&gt;&lt;/TD&gt; &lt;TD ALIGN=right&gt;&lt;FONT&gt;"/> |                                       |   |
| Right Delimiter of Price:  | <input type="text" value="&lt;/TD&gt;&lt;/TR&gt;&lt;/TABLE&gt;"/>                               |                                       |   |
| <input type="button" value="Save"/>  |   |                                       |   |
| <input type="button" value="OK"/> <input type="button" value="Cancel"/> <input type="button" value="Apply"/> |   |                                       |   |

**FIGURE 23**



**FIGURE 24**

```

procedure execHLRT(wrapper (h, li, ri, lp, rp, t), page P)
    m ← 0
    scan in P to line h
    while the next occurrence of li in P occurs before the next occurrence of t
        m ← m + 1
        scan in P to the next occurrence of li in P; save position as bm,i
        scan in P the next occurrence of ri; save position as em,i
        scan in P to the next occurrence of lp in P; save position as bm,p
        scan in P to next occurrence of rp; save position as em,p
    return label { . . . , <<bm,i, em,i>, <bm,p, em,p>> }
    
```

**FIGURE 25**

Procedure learnHLRT (examples  $\varepsilon$ )

1. Generate the candidate sets  $Cands_r(l, \epsilon)$ ,  $Cands_l(l, \epsilon)$ ,  $Cands_r(p, \epsilon)$ ,  $Cands_l(p, \epsilon)$ .
2. Enumerate the cross product of these candidate sets; each element  $W = (h, l_i, r_i, l_p, r_p, t)$ , of this cross product is a wrapper. Halt if  $W$  is satisfactory i.e.,  $execLR(W, P_n) = L_n$ , for every  $(P_n, L_n) \in \varepsilon$ .

**FIGURE 26**

```

/*
 * The main problem
*/
procedure learnHLRT (examples ε) for each 1 < k < K
    for each u ∈ candsl(p, ε): if validl(u, p, ε) then lp ← u and terminate this loop
    for each u ∈ candsr(i, ε): if validr(u, i, ε) then ri ← u and terminate this loop
    for each u ∈ candsr(p, ε): if validr(u, p, ε) then rp ← u and terminate this loop
    for each uli ∈ candsl(i, ε)
    for each uh ∈ candsh(ε)
        for each ut ∈ candst(ε)
            if validi,h,t(uli, uh, ut, ε) then
                li ← uli, h ← uh, t ← ut, and terminate these three loops
    return HLRT wrapper (h, li, ri, lp, rp, t)

/*
 *Generate a set of candidates for left delimiter of price attribute
 */
procedure candsl(attribute price, examples ε)
    return the set of all suffixes of the shortest string in neighborsl(price, ε)

/*
 *Generate a set of candidates for right delimiter of attribute a. Here a could be item or price
 */
procedure candsr(attribute a, examples ε)
    return the set of all prefixes of the shortest string in neighborsr(a, ε)
/*
 * Generate a set of candidates for a page's head
 */
procedure candsh (examples ε)
    return the set of all substrings of the shortest string in heads(ε)

/*
 *Generate a set of candidates for a page's tail
 */
procedure candst(example ε)
    return the set of all substrings of the shortest string in tails(ε)

/*
 *Determine whether a particular candidate for the left delimiter of price is valid
 *This procedure applies constraints C3
 */
procedure validl(candidate u, attribute price, examples ε)
    for each s ∈ neighborsl(price, ε): if u is not a proper suffix of s then return FALSE

```

**Figure 27A**

```

for each s ∈ tails(ε): If u is a sub string of s then return FALSE
return TRUE

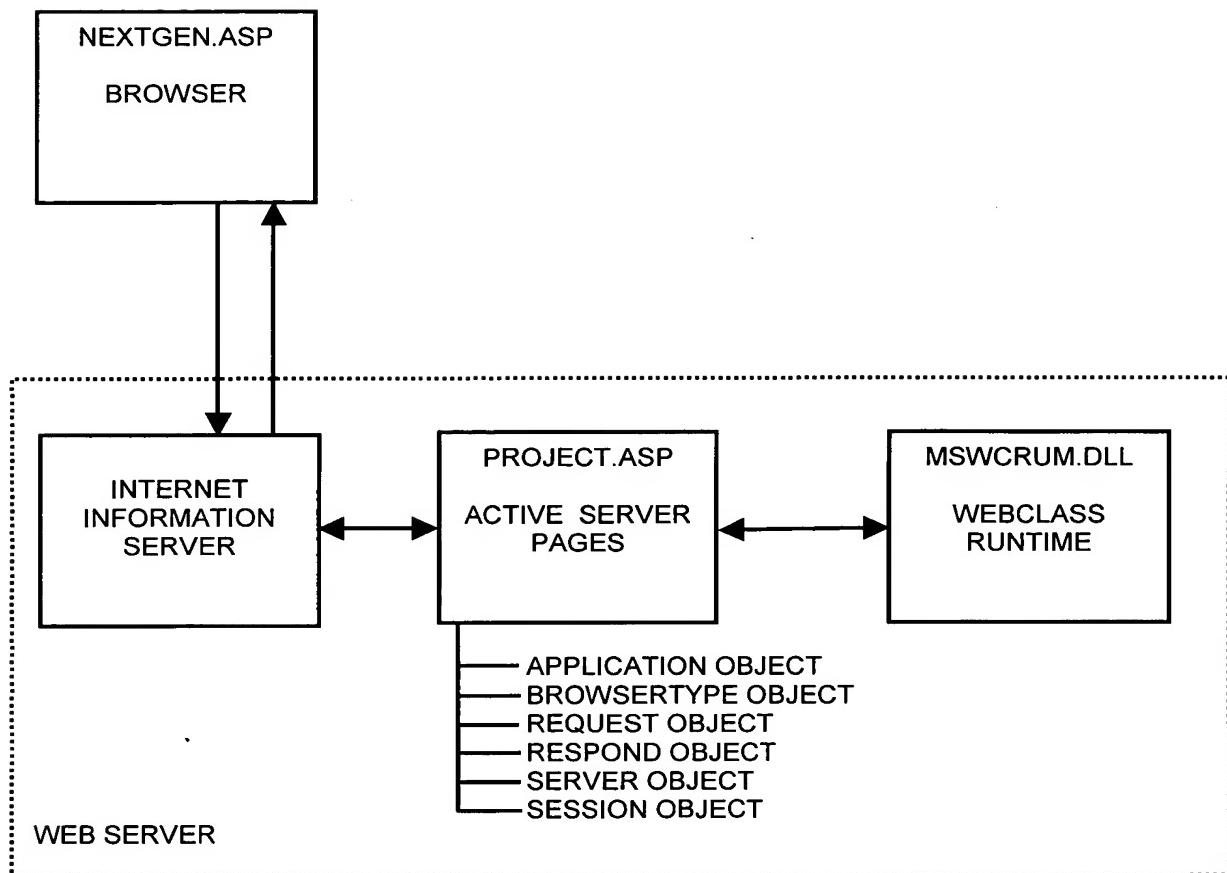
/*
*Determine whether a particular candidate for the right delimiter of item or price is
*valid
*This procedure applies constraints C1 and C2
*/
procedure valid,(candidate u, attribute a, examples ε)
for each s ∈ attribs(a, ε): if u is a sub string of s then return FALSE
for each s ∈ neighbors(a, ε): if u is not a prefix of s then return FALSE
    return TRUE
/*
*Determine whether a particular combination of candidate uh, ut, and uli for h, t, and
*li respectively are satisfactory.
*/
procedure validli,h,t(candidates uli, uh, ut, example ε)
    for each s ∈ heads(ε)
        if is not a sub string of s then return FALSE
        if Ul1 is not a proper suffix of scan (s, Uh) then return FALSE
            if Ut occurs before U11 in scan (s, Uh), then return FALSE
    for each s ∈ tails (ε)
        if Ut 1S not a sub string of s then return FALSE
        if Uli occurs before Ut in s then return FALSE
    for each s ∈ seps(ε)
        if Uli is not a proper suffix of s then return FALSE
            if Ut occurs before Uli in s then return FALSE
    return TRUE

/*
*Return a set of containing all values of a attribute, either item(i) or price(p) in each
*example
*/
procedure attribs(attribute a, examples ε)
    return U(Pn,Ln) ∈ ε(Pn[bm,a, em,a] | < . . . , (bm,k, em,k), . . . > ∈ Ln}

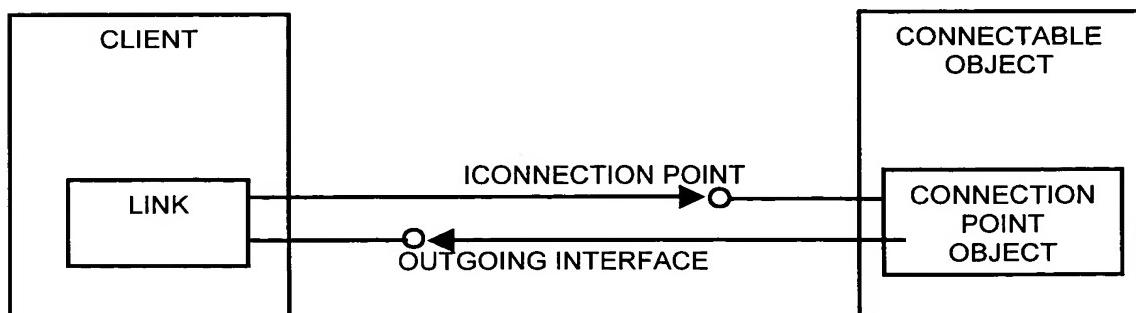
/*
*Return all strings to the left of an attribute, whether these strings are in the heads
*or the bodies of the pages
*/
procedure neighbors(attribute a, examples ε)
    if a=i then return seps (i, ε) U heads (ε) else return seps (a, ε)
/*

```

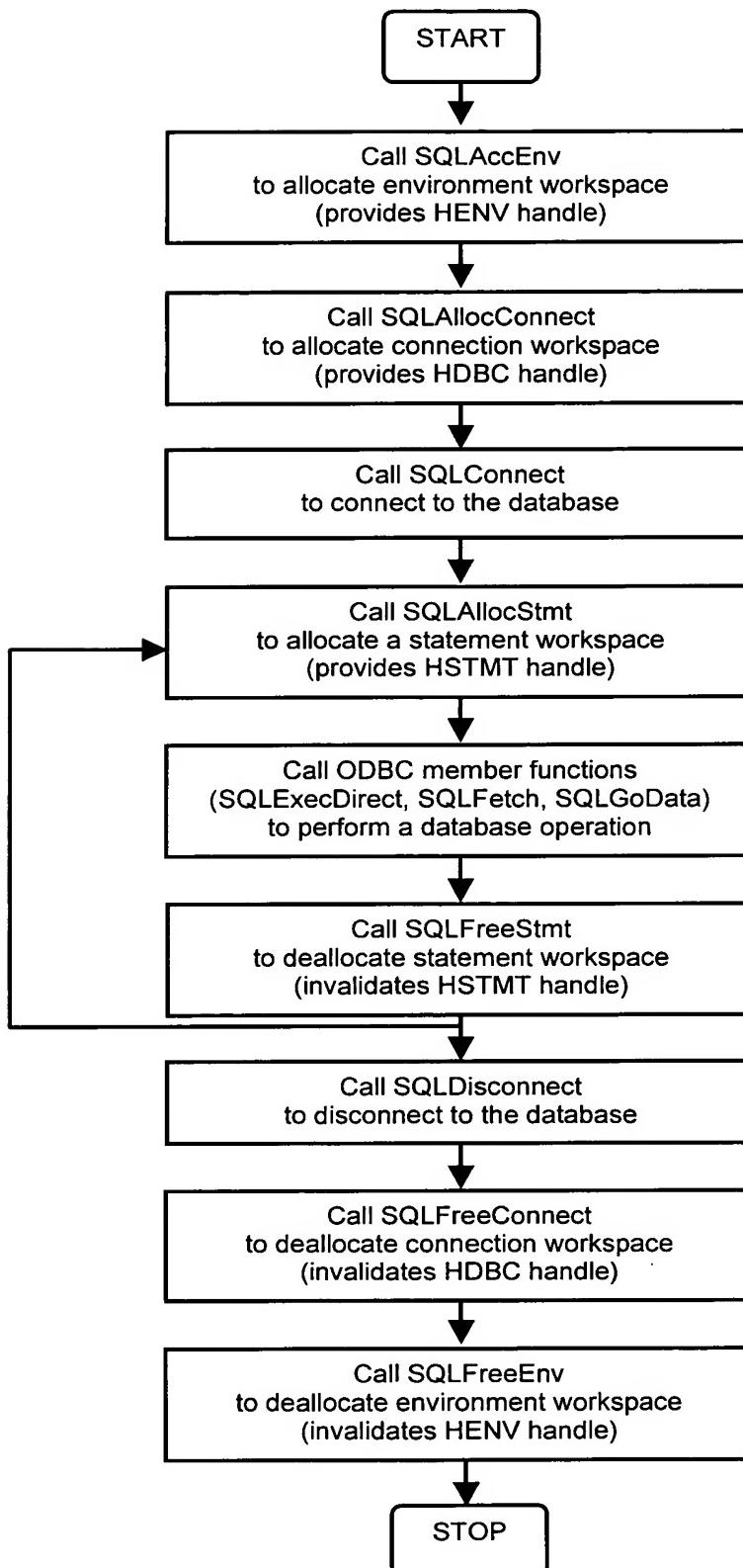
**FIGURE 27B**



**FIGURE 28**

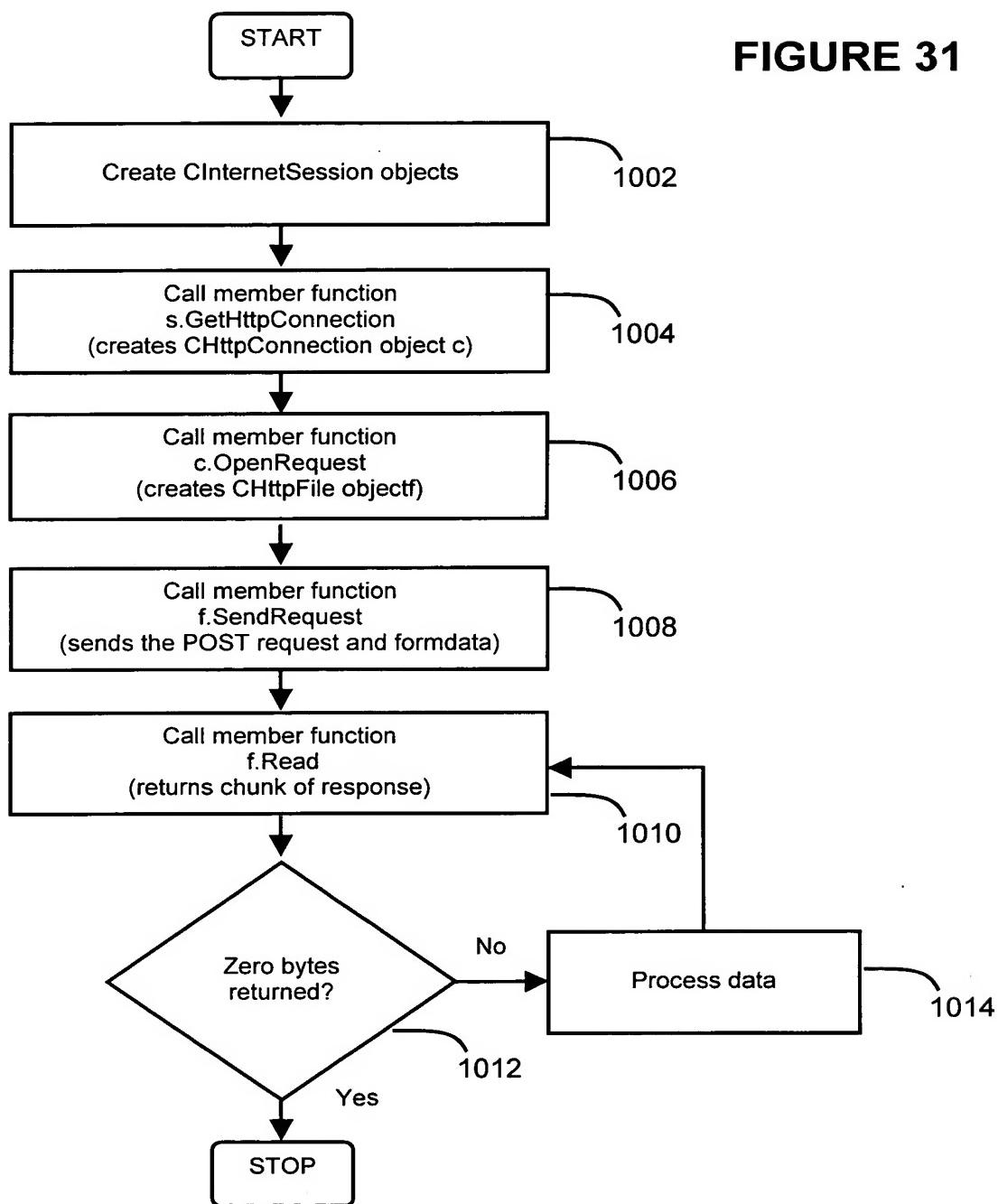


**FIGURE 29**



**FIGURE 30**

**FIGURE 31**



|  |                                      |
|--|--------------------------------------|
| NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE           |                                      |
| Choose a Channel                                       |                                      |
| <input type="checkbox"/> All Ontological Domains       |                                      |
| <input checked="" type="checkbox"/> Advanced Search    |                                      |
| <b>WEBSITE LOGO</b>                                    |                                      |
| QUICK SEARCH   |                                      |
| Enter a "MULTILINGUAL CHARACTER" keyword and click GO! |                                      |
| Keyword: <input type="text"/>                          | <input type="button" value="Go!"/>   |
| SEARCH TIPS  |                                      |
| MEMBER SIGN IN   |                                      |
| <input type="button" value="Login"/>                   | <input type="button" value="Reset"/> |
| WEB SITE INTRODUCTORY TEXT AND IMAGES                  |                                      |
| Reverse Advertising Sites                              |                                      |
| Registered Vendor Links                                |                                      |
| <input type="checkbox"/> Abcd.com                      |                                      |
| <input type="checkbox"/> 1234z.com                     |                                      |
| <input type="checkbox"/> er5lein.com                   |                                      |
| <input type="checkbox"/> Feedback                      |                                      |
| <input type="button" value="Submit!"/>                 |                                      |

**FIGURE 32**

|  |          |          |          |               |
|--|----------|----------|----------|---------------|
| NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE   |          |          |          |               |
| Choose a Channel   |          |          |          |               |
| <input type="checkbox"/> ALL G2B PROCUREMENT DOMAINS <input checked="" type="checkbox"/>   |          |          |          |               |
| Advanced Search  |          |          |          |               |
| DOMAIN A   | DOMAIN B | DOMAIN C | DOMAIN D | OTHER DOMAINS |
| QUICK SEARCH   |          |          |          |               |
| Enter a "MULTILINGUAL CHARACTER" keyword and click GO!   |          |          |          |               |
| <p>Keyword: <input type="text"/> <input type="button" value="GO!"/></p> <p><u>Company A</u><br/>Information about G2B Company A</p> <p><u>Company G</u><br/>Information about G2B Company G</p> <p>* * *</p> <p>SEARCH TIPS</p> <p>Reverse Advertising Sites</p> |          |          |          |               |
| <p><input type="checkbox"/> Registered Vendor Links</p> <p>Abcd.com      cdef.com</p> <p>1234z.com      23ezid..com</p> <p>pkkw.com      e5c5in.com</p>  |          |          |          |               |
| <p><input type="checkbox"/> Feedback</p> <p><input type="text"/></p> <p><input type="button" value="Submit"/></p>  |          |          |          |               |

FIGURE 33

|   |          |   |                    |               |
|---|----------|---|--------------------|---------------|
| NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE  |          |   |                    |               |
| Choose a Channel  |          |   |                    |               |
| <input type="checkbox"/> All G2B Tender Procurement Domains <input checked="" type="checkbox"/> |          |   |                    |               |
| Advanced Search   |          |   |                    |               |
| DOMAIN A  | DOMAIN B | DOMAIN C                                | DOMAIN D           | OTHER DOMAINS |
| ADVANCED SEARCH AGENTS ARE ON!  |          |   |                    |               |
| Enter a "MULTILINGUAL CHARACTER" keyword and click GO!  |          |   |                    |               |
| SEARCH TIPS   |          |   |                    |               |
| <input type="checkbox"/> Select All Multilingual Government Networks                            |          |   |                    |               |
| Public Body   | Speed    | Air/Shipping/Ground/Free Overnight Del. | Ease of Navigation |               |
| <input type="checkbox"/> G2B Company G  | fffff    | ⇒                                       | EEEE               |               |
| Time Out  |          |   |                    |               |
| Reserved Price Range  |          |   |                    |               |
| From \$ <input type="text"/> To \$ <input type="text"/>   |          |   |                    |               |
| Manufacturer or OEM   |          |   |                    |               |
| Keyword: <input type="text"/>   |          |   |                    |               |
| <input type="button" value="GO!"/>  |          |   |                    |               |

FIGURE 34

|   |  |  |  |                           |                        |  |  |  |  |                           |                        |
|---|--|--|--|---------------------------|------------------------|--|--|--|--|---------------------------|------------------------|
|   |  | NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE   |  |                           |                        |  |  |  |  |                           |                        |
| <b>WEBSITE LOGO</b><br><br><input type="checkbox"/> All Ontological Domains <input checked="" type="checkbox"/> Advanced Search<br><br><b>Choose a Channel</b> <input checked="" type="checkbox"/>  |  |  |  |                           |                        |  |  |  |  |                           |                        |
| <b>QUICK SEARCH</b><br><br>Enter a "MULTILINGUAL CHARACTER" keyword and click GO!   |  |  |  |                           |                        |  |  |  |  |                           |                        |
| Keyword: <input type="text"/> <input style="border-radius: 50%; padding: 2px 10px;" type="button" value="GO!"/>   |  |  |  |                           |                        |  |  |  |  |                           |                        |
| <b>SEARCH TIPS</b>  |  |  |  |                           |                        |  |  |  |  |                           |                        |
| <table border="0"> <tr> <td style="vertical-align: top;">           * * * * * SEARCH TIPS<br/>           * * * * *         </td> <td style="vertical-align: top;">           For B2B Trading Exchanges, Auctions, Vertical Portals, Production and Non-Production Procurement Supplies Medical &amp; Scientific Equipment         </td> <td style="vertical-align: top;">           Agricultural / Farming Apparel Automotive/ Transportation Business Machines Industrial Equipment Restaurant/Hospitality Services         </td> <td style="vertical-align: top;">           More Business to Business MRO/Raw Materials Office Furnishings Office Supplies Real Estate         </td> <td style="vertical-align: top;">           Reverse Advertising Sites         </td> <td style="vertical-align: top;">           Travel &amp; Entertainment         </td> </tr> </table> |  |  |  |                           |                        | * * * * * SEARCH TIPS<br>* * * * *   | For B2B Trading Exchanges, Auctions, Vertical Portals, Production and Non-Production Procurement Supplies Medical & Scientific Equipment | Agricultural / Farming Apparel Automotive/ Transportation Business Machines Industrial Equipment Restaurant/Hospitality Services | More Business to Business MRO/Raw Materials Office Furnishings Office Supplies Real Estate | Reverse Advertising Sites | Travel & Entertainment |
| * * * * * SEARCH TIPS<br>* * * * *  | For B2B Trading Exchanges, Auctions, Vertical Portals, Production and Non-Production Procurement Supplies Medical & Scientific Equipment | Agricultural / Farming Apparel Automotive/ Transportation Business Machines Industrial Equipment Restaurant/Hospitality Services | More Business to Business MRO/Raw Materials Office Furnishings Office Supplies Real Estate | Reverse Advertising Sites | Travel & Entertainment |  |  |  |  |                           |                        |
| <table border="0"> <tr> <td style="vertical-align: top;"> <b>Registered Vendor Links</b><br/>  <a href="#">Abcd.com</a><br/>  <a href="#">cdef.com</a><br/>  <a href="#">1234z.com</a><br/>  <a href="#">er5lcin.com</a><br/>  <a href="#">pkkw.com</a> </td> <td style="vertical-align: top;"> <b>Feedback</b><br/>  <a href="#">Submit!</a> </td> </tr> </table>        |  |  |  |                           |                        | <b>Registered Vendor Links</b><br> <a href="#">Abcd.com</a><br> <a href="#">cdef.com</a><br> <a href="#">1234z.com</a><br> <a href="#">er5lcin.com</a><br> <a href="#">pkkw.com</a> | <b>Feedback</b><br> <a href="#">Submit!</a>             |  |  |                           |                        |
| <b>Registered Vendor Links</b><br> <a href="#">Abcd.com</a><br> <a href="#">cdef.com</a><br> <a href="#">1234z.com</a><br> <a href="#">er5lcin.com</a><br> <a href="#">pkkw.com</a>  | <b>Feedback</b><br> <a href="#">Submit!</a>             |  |  |                           |                        |  |  |  |  |                           |                        |

**FIGURE 35**

|   |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
|---|----------|---|--------------------|---------------|----------|---------------|-------------------------------------|--|--|--|--|---------------|-------|---|--------------------|--|--|--|---|------|--|--|--|---|--------|--|--|--|---|------|--|--|--|---|------|--|
| [ ] NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE [ ]  |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| WEBSITE LOGO  |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <p>Choose a Channel [ ▽ ]</p> <p>All Ontological Domains</p> <p>Advanced Search</p>   |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <table border="1"><tr><td>DOMAIN A</td><td>DOMAIN B</td><td>DOMAIN C</td><td>DOMAIN D</td><td>OTHER DOMAINS</td></tr><tr><td colspan="5">ADVANCED SEARCH AGENTS ARE ON!</td></tr></table>   |          | DOMAIN A                                | DOMAIN B           | DOMAIN C      | DOMAIN D | OTHER DOMAINS | ADVANCED SEARCH AGENTS ARE ON!      |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| DOMAIN A  | DOMAIN B | DOMAIN C                                | DOMAIN D           | OTHER DOMAINS |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| ADVANCED SEARCH AGENTS ARE ON!  |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <p>Enter a "MULTILINGUAL CHARACTER" keyword and click GO!</p>   |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <table border="1"><tr><td colspan="5">Multilingual B2B Suppliers</td></tr><tr><td colspan="5"><input type="checkbox"/> Select All</td></tr><tr><td>Online Stores</td><td>Speed</td><td>Air/Shipping/Ground/Free Overnight Del.</td><td colspan="2">Ease of Navigation</td></tr><tr><td><input type="checkbox"/> B2B Company 1</td><td>     </td><td>⇒</td><td colspan="2">EEEE</td></tr><tr><td><input type="checkbox"/> B2B Company 2</td><td>     </td><td>⇒</td><td colspan="2">EEEEEE</td></tr><tr><td><input type="checkbox"/> B2B Company 3</td><td>     </td><td>⇒</td><td colspan="2">EEEE</td></tr><tr><td><input type="checkbox"/> B2B Company 4</td><td>     </td><td>⇒</td><td colspan="2">EEEE</td></tr></table> |          | Multilingual B2B Suppliers              |                    |               |          |               | <input type="checkbox"/> Select All |  |  |  |  | Online Stores | Speed | Air/Shipping/Ground/Free Overnight Del. | Ease of Navigation |  | <input type="checkbox"/> B2B Company 1 |  | ⇒ | EEEE |  | <input type="checkbox"/> B2B Company 2 |  | ⇒ | EEEEEE |  | <input type="checkbox"/> B2B Company 3 |  | ⇒ | EEEE |  | <input type="checkbox"/> B2B Company 4 |  | ⇒ | EEEE |  |
| Multilingual B2B Suppliers  |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <input type="checkbox"/> Select All   |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| Online Stores   | Speed    | Air/Shipping/Ground/Free Overnight Del. | Ease of Navigation |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <input type="checkbox"/> B2B Company 1  |          | ⇒                                       | EEEE               |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <input type="checkbox"/> B2B Company 2  |          | ⇒                                       | EEEEEE             |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <input type="checkbox"/> B2B Company 3  |          | ⇒                                       | EEEE               |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <input type="checkbox"/> B2B Company 4  |          | ⇒                                       | EEEE               |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <p>Time Out [ ]</p>   |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <p>Price Range From \$ [ ] To \$ [ ]</p>  |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <p>Manufacturer [ ]</p>   |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |
| <p>Keyword: [ ] <b>GO!</b> [ ]</p>  |          |   |                    |               |          |               |                                     |  |  |  |  |               |       |   |                    |  |  |  |   |      |  |  |  |   |        |  |  |  |   |      |  |  |  |   |      |  |

FIGURE 36

|  |                    |
|--|--------------------|
| NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE           |                    |
| Choose a Channel                                       |                    |
| <input type="checkbox"/> All Domains                   |                    |
| Advanced Search  |                    |
| DOMAIN A   | DOMAIN B           |
| DOMAIN C   | DOMAIN D           |
| OTHER DOMAINS  |                    |
| QUICK SEARCH   |                    |
| Enter a "MULTILINGUAL CHARACTER" keyword and click GO! |                    |
| Hot Sellers Domain A                                   |                    |
| Image Item A   | Description Item A |
| Image Item B   | Description Item B |
| Image Item 1   | Description Item 1 |
| Image Item G   | Description Item G |
| Image Item A   | Description Item A |
| Image Item K   | Description Item K |
| Registered Vendor Links                                |                    |
| <input type="checkbox"/> Abcd.com                      |                    |
| <input type="checkbox"/> cdef.com                      |                    |
| <input type="checkbox"/> 1234z.com                     |                    |
| <input type="checkbox"/> 23ezid..com                   |                    |
| <input type="checkbox"/> er5lcn.com                    |                    |
| <input type="checkbox"/> Dkkw.com                      |                    |
| Feedback   |                    |
| Submit   |                    |

FIGURE 37

| NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE   |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
|--|----------|----------|----------|---------------|----------|---------------|--------------------------------|--|--|--|--|--|--|--|-----------------|--|-------------------------------------|--|--|-------|-------------------------------------|--|--------------------------------------|--|--------------------------------------|--|-------------------------------------|--|-------------------------------------|--|---------------------------------------|--|-----------------|--|-------------------------------------|--|-------------------------------------|--|---------------------------------------|--|
| <p><b>WEBSITE LOGO</b></p> <p>Choose a Channel</p> <p>All Domains <input checked="" type="checkbox"/></p> <p>Advanced Search <input type="checkbox"/></p>  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <table border="1"> <thead> <tr> <th>DOMAIN A</th> <th>DOMAIN B</th> <th>DOMAIN C</th> <th>DOMAIN D</th> <th>OTHER DOMAINS</th> </tr> </thead> <tbody> <tr> <td colspan="5">ADVANCED SEARCH AGENTS ARE ON!</td> </tr> </tbody> </table> |          | DOMAIN A | DOMAIN B | DOMAIN C      | DOMAIN D | OTHER DOMAINS | ADVANCED SEARCH AGENTS ARE ON! |  |  |  |  | <p>Enter a "MULTILINGUAL CHARACTER" keyword and click GO!</p> <table border="1"> <thead> <tr> <th colspan="2">English Vendors</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Select All</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Online Stores</td> <td>Speed</td> </tr> <tr> <td><input type="checkbox"/> Store 1AAC</td> <td>     </td> </tr> <tr> <td><input type="checkbox"/> Store 1443A</td> <td>      </td> </tr> <tr> <td><input type="checkbox"/> Store 1443A</td> <td>     </td> </tr> <tr> <td><input type="checkbox"/> Select All</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Store C5A3</td> <td>     </td> </tr> <tr> <td><input type="checkbox"/> Store DRGWS4</td> <td>     </td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th colspan="2">Chinese Vendors</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Select All</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Store C5A3</td> <td>     </td> </tr> <tr> <td><input type="checkbox"/> Store DRGWS4</td> <td>     </td> </tr> </tbody> </table> <p>Time Out <input type="text"/> ⇒ <input type="text"/></p> <p>Price Range From \$ <input type="text"/> To \$ <input type="text"/></p> <p>Manufacturer <input type="text"/></p> <p>Keyword: <input type="text"/> <b>GO!</b></p> |  |  | English Vendors |  | <input type="checkbox"/> Select All |  | <input type="checkbox"/> Online Stores | Speed | <input type="checkbox"/> Store 1AAC |  | <input type="checkbox"/> Store 1443A |  | <input type="checkbox"/> Store 1443A |  | <input type="checkbox"/> Select All |  | <input type="checkbox"/> Store C5A3 |  | <input type="checkbox"/> Store DRGWS4 |  | Chinese Vendors |  | <input type="checkbox"/> Select All |  | <input type="checkbox"/> Store C5A3 |  | <input type="checkbox"/> Store DRGWS4 |  |
| DOMAIN A   | DOMAIN B | DOMAIN C | DOMAIN D | OTHER DOMAINS |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| ADVANCED SEARCH AGENTS ARE ON!   |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| English Vendors  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Select All  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Online Stores   | Speed    |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store 1AAC  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store 1443A   |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store 1443A   |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Select All  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store C5A3  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store DRGWS4  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| Chinese Vendors  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Select All  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store C5A3  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |
| <input type="checkbox"/> Store DRGWS4  |          |          |          |               |          |               |                                |  |  |  |  |  |  |  |                 |  |                                     |  |  |       |                                     |  |                                      |  |                                      |  |                                     |  |                                     |  |                                       |  |                 |  |                                     |  |                                     |  |                                       |  |

## FIGURE 38

| [Navigation Buttons]   |               | NAVIGATION BUTTONS TO OTHER PAGES IN WEBSITE |         |
|--|---------------|--|---------|
| <b>WEBSITE LOGO</b>  |               |  |         |
| <input type="checkbox"/> ALL DOMAINS                             |               | Choose a Channel <input type="checkbox"/>    |         |
| QUICK SEARCH   |               |  |         |
| Enter a "MULTILINGUAL CHARACTER" keyword and click GO!           |               |  |         |
| Keyword: <input type="text"/>                                    |               | <input type="button" value="GO!"/>           |         |
| <b>SEARCH TIPS</b>   |               |  |         |
| <b>Products</b><br>Your search for XX returned 5 Domain C items. |               |  |         |
| Model / Features   | Store         | Price  |         |
| AMS7 XX Widget<br>[Features]                                     | Store 1443A   | \$399.95                                     | Buy now |
| AMS2 XX Widget<br>[Features]                                     | Store 1443A   | \$329.95                                     | Buy now |
| AMS7 XX Widget<br>[Features]                                     | Store DRGWS4  | \$459.95                                     | Buy now |
| AMS7 XX Widget<br>[Features]                                     | Store 4U\$U\$ | \$499.95                                     | Buy now |
| ZRTQ XX Widget<br>[Features]                                     | Store OOHE    | \$529.95                                     | Buy now |

**FIGURE 39**

|  |                        |   |                        |
|--|------------------------|---|------------------------|
| [WEBSITE INTERNAL LINKS]   |                        |   |                        |
| SEARCH WEBSITE<br>LOGO   |                        | Choose A Channel<br><input type="checkbox"/> Selected Channel<br><input type="checkbox"/> Advanced Search |                        |
| DOMAIN A   |                        | DOMAIN B  | DOMAIN C               |
| DOMAIN D   |                        |   |                        |
| <b>QUICK SEARCH</b><br>Enter a "non-multilingual or multilingual character" keyword and hit enter or click GO! |                        |   |                        |
| Your Country/Locale:<br>UNITED STATES ▽  |                        |   |                        |
| Keyword: <input type="text"/> <input type="button" value="GO"/>  |                        |   |                        |
| <b>HOT SELLERS AND AUCTION ITEMS</b>   |                        |   |                        |
| MODEL<br>PICTURE   | PRODUCT<br>DESCRIPTION | MODEL<br>PICTURE  | PRODUCT<br>DESCRIPTION |
| MODEL<br>PICTURE   | PRODUCT<br>DESCRIPTION | MODEL<br>PICTURE  | PRODUCT<br>DESCRIPTION |
| Search Tips:   |                        |   |                        |

**FIGURE 40**

| WEBSITE INTERNAL LINKS   |                                  |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
|--|----------------------------------|---------------|---------------------|---------------|----------------------------------|---------------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|---------------|----------------------------------|---------------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|
| <p>SEARCH WEBSITE<br/>LOGO</p> <p>Choose A Channel <input checked="" type="checkbox"/></p> <p><a href="#">Advanced Search</a></p>  |                                  |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| <p>DOMAIN A DOMAIN B DOMAIN C DOMAIN D</p>   |                                  |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| <p><b>QUICK SEARCH</b></p> <p>Enter a "non-multilingual or multilingual character" keyword and hit enter or click GO!</p>  |                                  |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| <p>Your Country/Locale:</p> <table border="1"><tr><td>UNITED STATES</td><td><input type="button" value="▼"/></td></tr><tr><td>Country A</td><td><input type="button" value="△"/></td></tr><tr><td>Country B</td><td><input type="button" value="△"/></td></tr><tr><td>Country C</td><td><input type="button" value="△"/></td></tr><tr><td>Country D</td><td><input type="button" value="△"/></td></tr><tr><td>Country E</td><td><input type="button" value="△"/></td></tr><tr><td>Country F</td><td><input type="button" value="△"/></td></tr><tr><td>Country G</td><td><input type="button" value="△"/></td></tr><tr><td>Country H</td><td><input type="button" value="△"/></td></tr></table> |                                  |               |                     | UNITED STATES | <input type="button" value="▼"/> | Country A     | <input type="button" value="△"/> | Country B | <input type="button" value="△"/> | Country C | <input type="button" value="△"/> | Country D     | <input type="button" value="△"/> | Country E     | <input type="button" value="△"/> | Country F | <input type="button" value="△"/> | Country G | <input type="button" value="△"/> | Country H | <input type="button" value="△"/> |
| UNITED STATES  | <input type="button" value="▼"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country A  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country B  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country C  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country D  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country E  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country F  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country G  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| Country H  | <input type="button" value="△"/> |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| <p>HOT SELLERS AND AUCTION ITEMS</p> <table border="1"><thead><tr><th>MODEL PICTURE</th><th>PRODUCT DESCRIPTION</th><th>MODEL PICTURE</th><th>PRODUCT DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> <table border="1"><thead><tr><th>MODEL PICTURE</th><th>PRODUCT DESCRIPTION</th><th>MODEL PICTURE</th><th>PRODUCT DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>   |                                  |               |                     | MODEL PICTURE | PRODUCT DESCRIPTION              | MODEL PICTURE | PRODUCT DESCRIPTION              |           |                                  |           |                                  | MODEL PICTURE | PRODUCT DESCRIPTION              | MODEL PICTURE | PRODUCT DESCRIPTION              |           |                                  |           |                                  |           |                                  |
| MODEL PICTURE  | PRODUCT DESCRIPTION              | MODEL PICTURE | PRODUCT DESCRIPTION |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
|  |                                  |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
| MODEL PICTURE  | PRODUCT DESCRIPTION              | MODEL PICTURE | PRODUCT DESCRIPTION |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |
|  |                                  |               |                     |               |                                  |               |                                  |           |                                  |           |                                  |               |                                  |               |                                  |           |                                  |           |                                  |           |                                  |

**FIGURE 41**

| [WEBSITE INTERNAL LINKS]   |             |  |                                   |
|--|-------------|--|-----------------------------------|
| <input type="text"/> [SEARCH WEBSITE LOGO]   |             | Choose A Channel <input type="button" value="SELECTED CHANNEL ▽"/> |                                   |
|  |             | Advanced Search <input type="button" value="DOMAIN A ▽"/>          |                                   |
|  |             | DOMAIN B <input type="button" value="DOMAIN C ▽"/>                 |                                   |
|  |             | DOMAIN D <input type="button" value="DOMAIN E ▽"/>                 |                                   |
| <b>QUICK SEARCH</b><br>Enter a "non-multilingual or multilingual character" keyword and hit enter or click GO! |             |  |                                   |
| Your Country/Locale:<br><input type="button" value="UNITED STATES ▽"/> <input type="button" value="GO"/>       |             |  |                                   |
| Keyword: <input type="text"/><br><b>Search Results</b>   |             |  |                                   |
| Products<br>Your search for XXX returned NNN item(s)   |             |  |                                   |
| Description/Thumbnail      Store      Price  |             |  |                                   |
| Search Tips:   |             |  |                                   |
| MODEL<br>PICTURE   | DESCRIPTION | STORE  | \$PRICE<br><small>buy now</small> |
| MODEL<br>PICTURE   | DESCRIPTION | STORE  | \$PRICE<br><small>buy now</small> |
| MODEL<br>PICTURE   | DESCRIPTION | STORE  | \$PRICE<br><small>buy now</small> |
| MODEL<br>PICTURE   | DESCRIPTION | STORE  | \$PRICE<br><small>buy now</small> |

**FIGURE 42**

| [WEBSITE INTERNAL LINKS]   |              |                 |                         |  |  |
|--|--------------|-----------------|-------------------------|--|--|
| <b>[SEARCH WEBSITE LOGO]</b>   |              |                 | <b>Choose A Channel</b> |  |  |
| <b>DOMAIN A</b>  |              |                 | <b>SELECTED CHANNEL</b> |  |  |
| <b>DOMAIN B</b>  |              |                 | <b>Advanced Search</b>  |  |  |
| <b>DOMAIN C</b>  |              |                 | <b>DOMAIN D</b>         |  |  |
| <b>ADVANCED SEARCH AGENTS ARE ON!</b>  |              |                 |                         |  |  |
| <b>Enter a "non-multilingual or multilingual character" keyword and hit enter or click GO!</b> |              |                 |                         |  |  |
| <b>Search Tips:</b>  |              |                 |                         |  |  |
| <b>Your Country/Locale:</b> <b>UNITED STATES</b> ▼   |              |                 |                         |  |  |
| <b>Store</b> Speed Air/Shipping/Ground/Free Overnight Delivery Ease of Navigation              |              |                 |                         |  |  |
| <input type="checkbox"/> Store A Rating  | Speed Rating | Delivery Rating | Navigation Rating       |  |  |
| <input type="checkbox"/> Store B Rating  | Speed Rating | Delivery Rating | Navigation Rating       |  |  |
| <input type="checkbox"/> Store C Rating  | Speed Rating | Delivery Rating | Navigation Rating       |  |  |
| <input type="checkbox"/> Store D Rating  | Speed Rating | Delivery Rating | Navigation Rating       |  |  |
| <input type="checkbox"/> Store E Rating  | Speed Rating | Delivery Rating | Navigation Rating       |  |  |
| <input type="checkbox"/> Store F Rating  | Speed Rating | Delivery Rating | Navigation Rating       |  |  |
| <b>Time out</b> <input type="text"/>   |              |                 |                         |  |  |
| <b>Price and/or bid range</b> From \$ <input type="text"/> To \$ <input type="text"/> ▼        |              |                 |                         |  |  |
| <b>Maker/Seller/Publisher/Artist Actor</b> <input type="text"/>                                |              |                 |                         |  |  |
| <b>Keyword</b> <input type="text"/> <b>GO</b> ▼  |              |                 |                         |  |  |

**FIGURE 43**

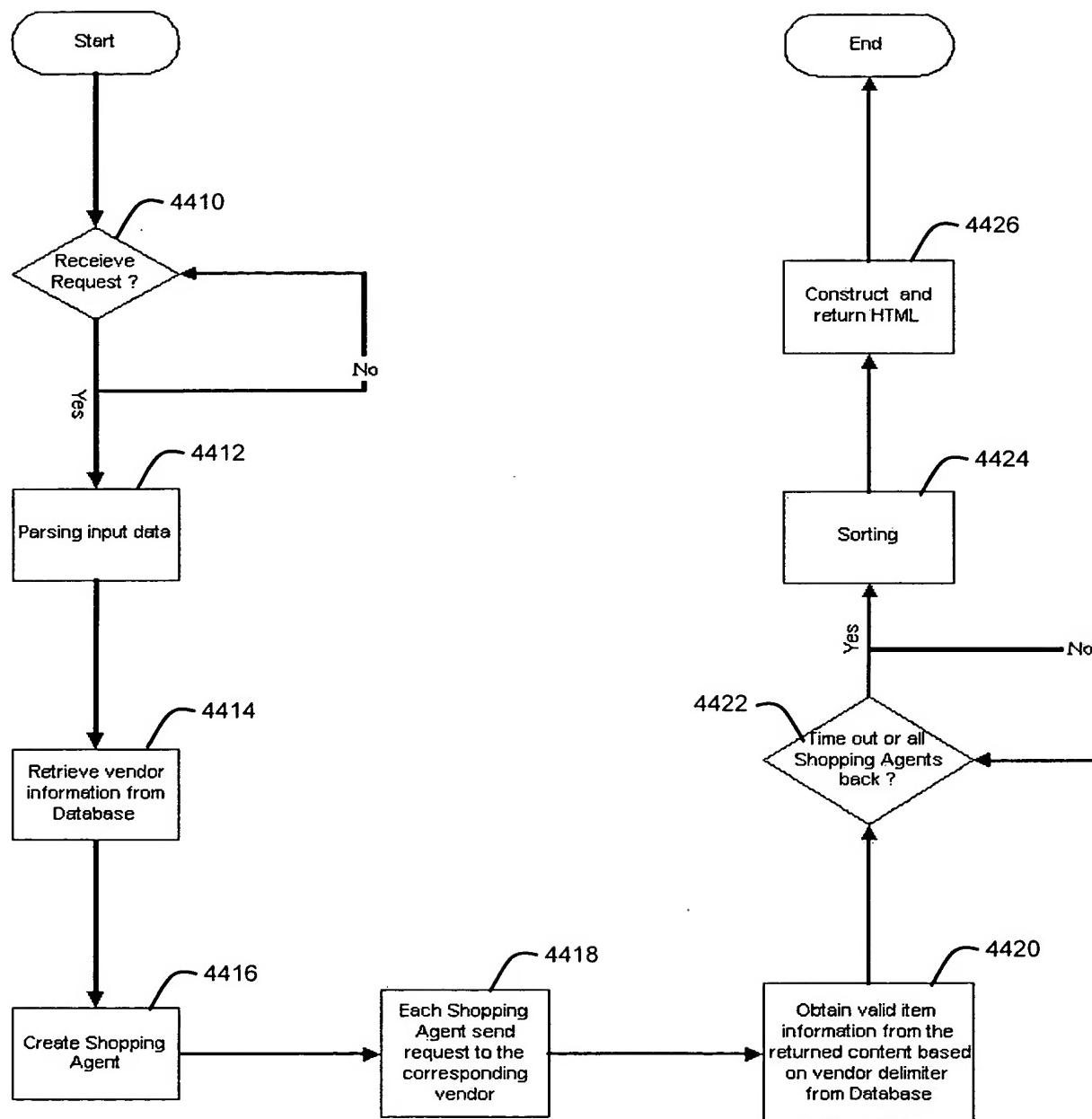


FIG. 44

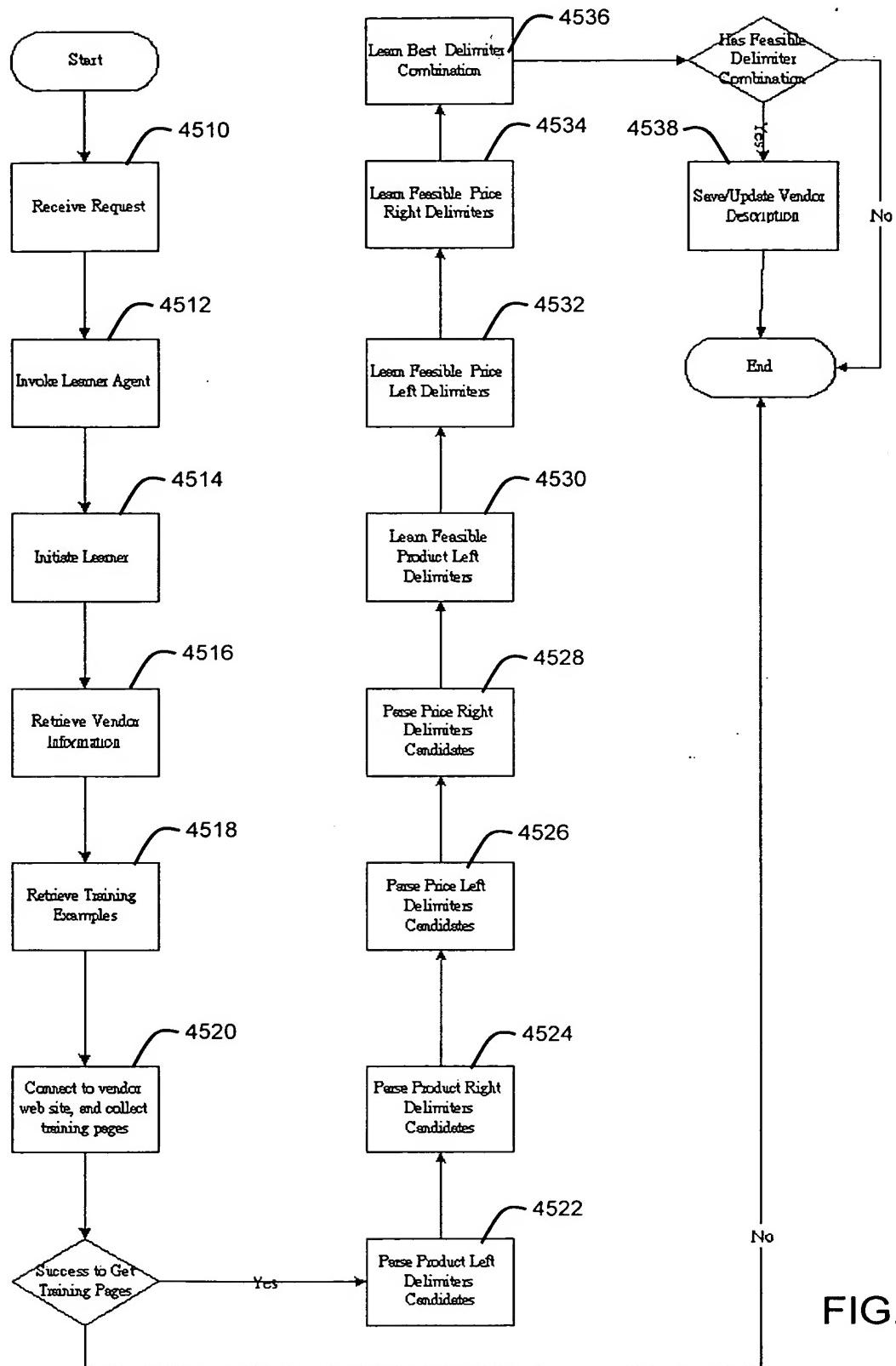
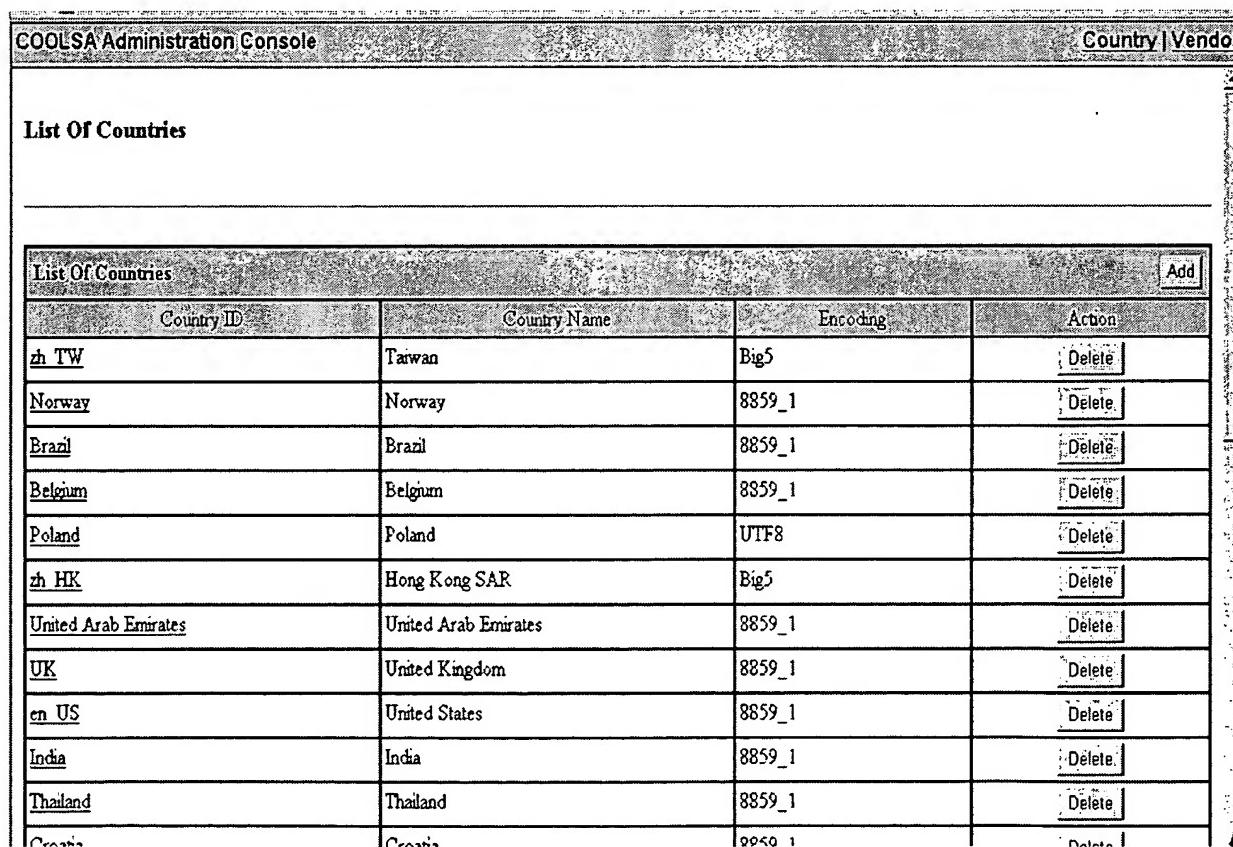


FIG. 45

| <u>Data Field</u> | <u>Description</u>                                  | <u>Allowed Value</u>   |
|-------------------|---|--|
| Country ID        | Distinct Country Name                               | Any  |
| Country Name      | Display Name of the Country.                        | Any  |
| Encoding          | Display MIME type of the Web sites in this country. | Valid MIME Type, A pull-down list of MIME Type is provided for selection |

**FIGURE 46**



COOLSA Administration Console

Country | Vendor

List Of Countries

| Country ID           | Country Name         | Encoding | Action                                |
|----------------------|----------------------|----------|---------------------------------------|
| zh TW                | Taiwan               | Big5     | <input type="button" value="Delete"/> |
| Norway               | Norway               | 8859_1   | <input type="button" value="Delete"/> |
| Brazil               | Brazil               | 8859_1   | <input type="button" value="Delete"/> |
| Belgium              | Belgium              | 8859_1   | <input type="button" value="Delete"/> |
| Poland               | Poland               | UTF8     | <input type="button" value="Delete"/> |
| zh HK                | Hong Kong SAR        | Big5     | <input type="button" value="Delete"/> |
| United Arab Emirates | United Arab Emirates | 8859_1   | <input type="button" value="Delete"/> |
| UK                   | United Kingdom       | 8859_1   | <input type="button" value="Delete"/> |
| en US                | United States        | 8859_1   | <input type="button" value="Delete"/> |
| India                | India                | 8859_1   | <input type="button" value="Delete"/> |
| Thailand             | Thailand             | 8859_1   | <input type="button" value="Delete"/> |
| Croatia              | Croatia              | 8859_1   | <input type="button" value="Delete"/> |

**FIGURE 48**

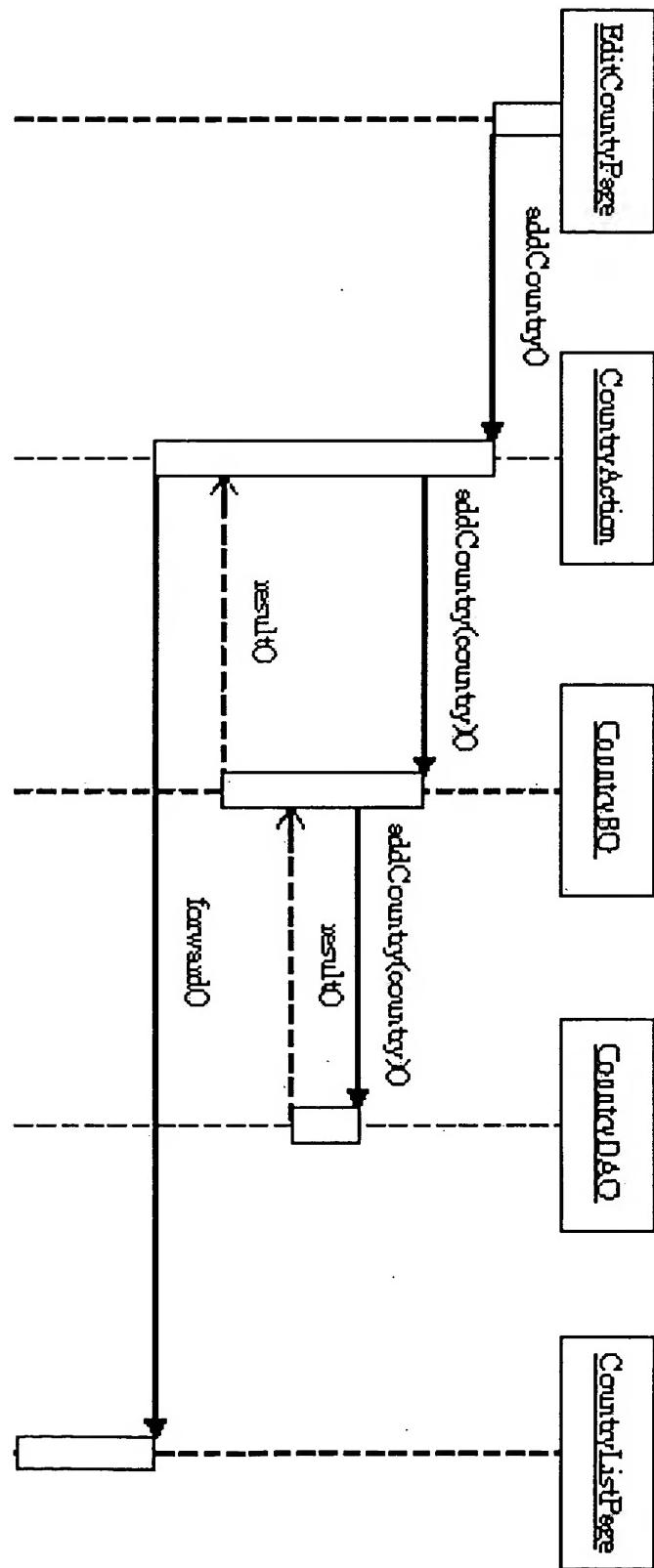


FIG. 47

COOLSA Administration Console Country | Vendor

Countries > Edit Country Information

**Edit Country Information**

|   |   |
|---|---|
| Country ID  | zh_HK   |
| Country Name  | Hong Kong SAR ( -- Existing Countries -- <input type="button" value="▼"/> ) |
| Encoding  | Big5 <input type="button" value="▼"/>                                       |
| <input type="button" value="Save"/> <input type="button" value="Cancel"/> |   |

**FIGURE 49**

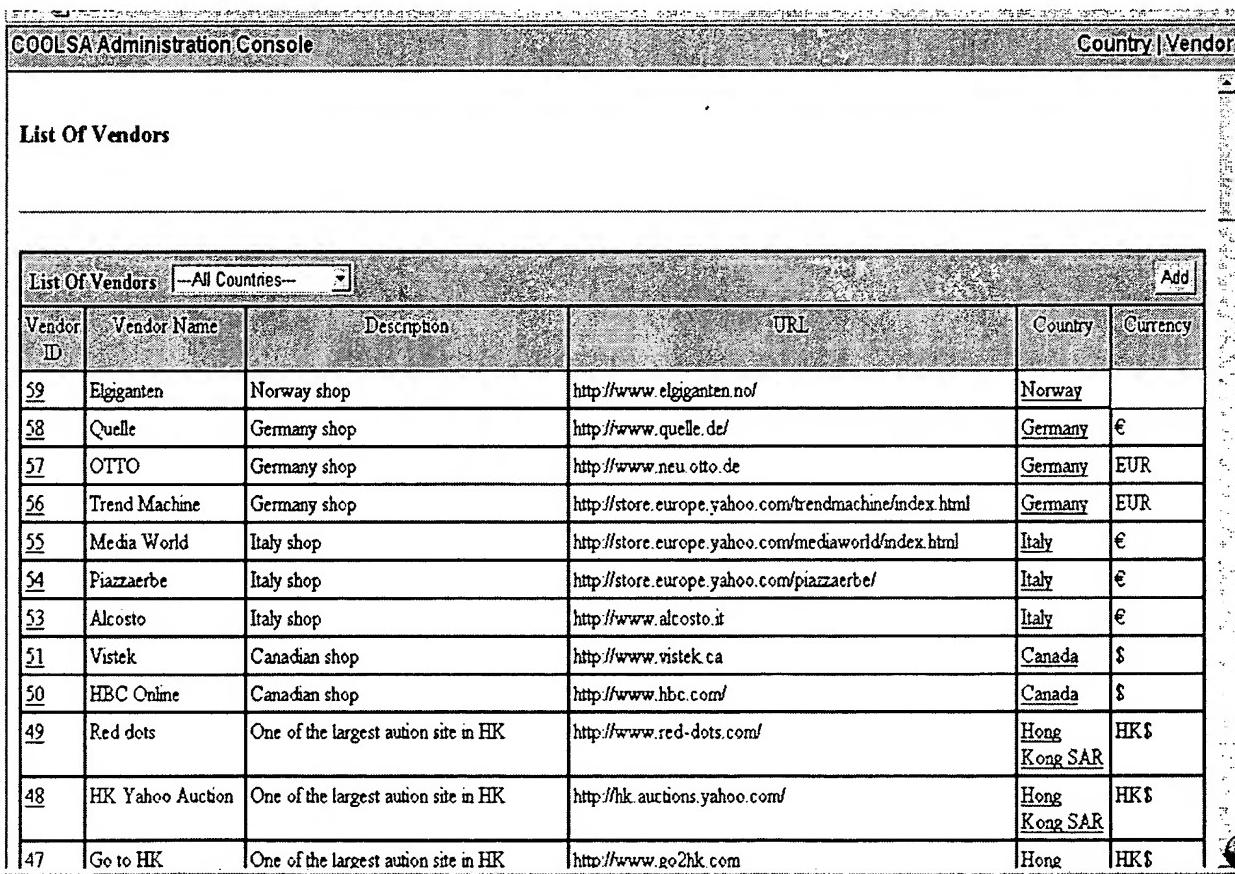
**Edit Country Information**

|   |   |
|---|---|
| Country ID  |   |
| Country Name  | ( -- Existing Countries -- <input type="button" value="▼"/> ) |
| Encoding  | ISO8859_1 <input type="button" value="▼"/>                    |
| <input type="button" value="Save"/> <input type="button" value="Cancel"/> |   |

**FIGURE 50**

| Data Field  | Description  | Allowed Value  |
|-------------|--|--|
| Vendor ID   | Distinct Vendor ID   | System generated                                       |
| Vendor Name | Display Name of the Vendor.                                  | Any  |
| Description | Vendor Description   | Any  |
| URL         | Vendor URL   | Valid URL  |
| Form URL    | Vendor Form URL  | Valid URL  |
| Country     | Country where the vendor sell the products                   | A pull-down list of country is provided for selection  |
| Currency    | Currency which the vendor used for the price of the products | A pull-down list of currency is provided for selection |

**FIGURE 51**

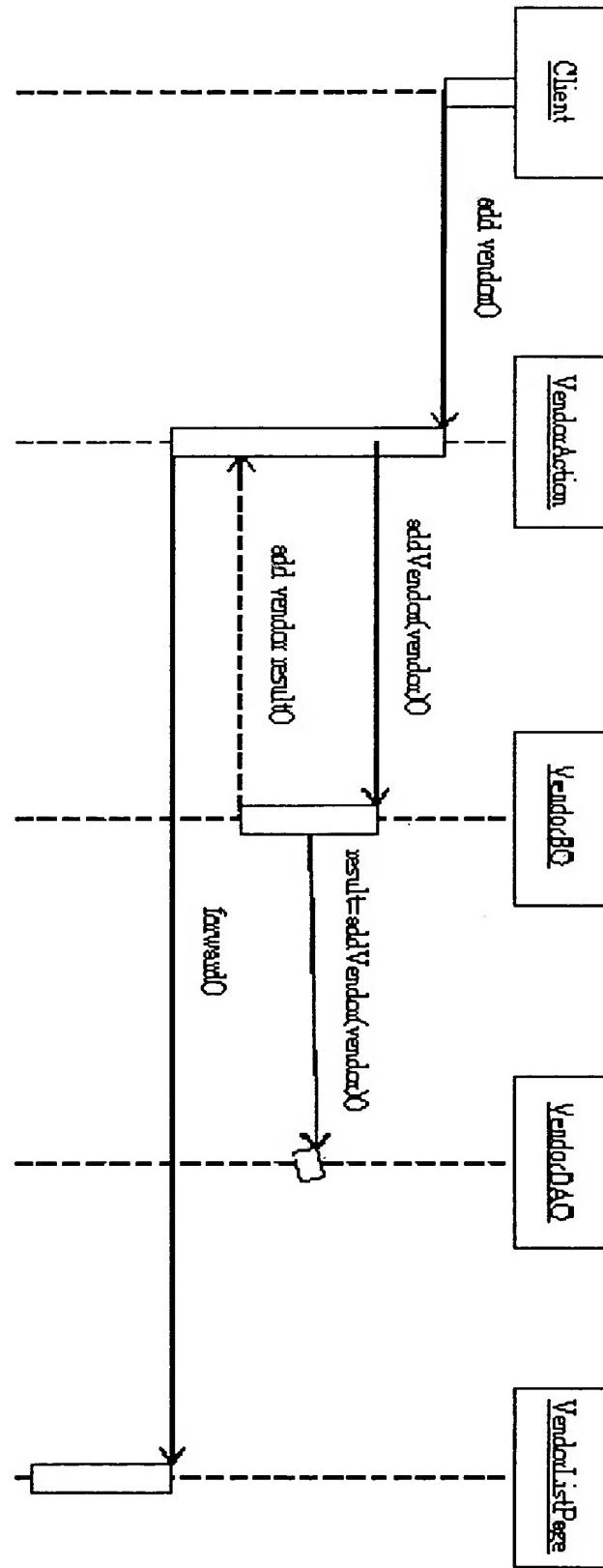


The screenshot shows the COOLSA Administration Console interface. The top navigation bar includes links for Home, Configuration, Data, Reports, Help, and Log Out. The main title is "COOLSA Administration Console". On the right, there's a sidebar titled "Country | Vendor". The main content area is titled "List Of Vendors". A sub-header "List Of Vendors" has a dropdown menu set to "All Countries". An "Add" button is located in the top right corner of the table header. The table itself has columns for Vendor ID, Vendor Name, Description, URL, Country, and Currency. The data rows are as follows:

| Vendor ID | Vendor Name      | Description                           | URL   | Country       | Currency |
|-----------|------------------|---------------------------------------|---|---------------|----------|
| 59        | Elgiganten       | Norway shop                           | http://www.elgiganten.no/                             | Norway        |          |
| 58        | Quelle           | Germany shop                          | http://www.quelle.de/                                 | Germany       | €        |
| 57        | OTTO             | Germany shop                          | http://www.neu otto.de                                | Germany       | EUR      |
| 56        | Trend Machine    | Germany shop                          | http://store.europe.yahoo.com/trendmachine/index.html | Germany       | EUR      |
| 55        | Media World      | Italy shop                            | http://store.europe.yahoo.com/mediaworld/index.html   | Italy         | €        |
| 54        | Piazzaerbe       | Italy shop                            | http://store.europe.yahoo.com/piazzaerbe/             | Italy         | €        |
| 53        | Alcosto          | Italy shop                            | http://www.alcosto.it                                 | Italy         | €        |
| 51        | Vistek           | Canadian shop                         | http://www.vistek.ca                                  | Canada        | \$       |
| 50        | HBC Online       | Canadian shop                         | http://www.hbc.com/                                   | Canada        | \$       |
| 49        | Red dots         | One of the largest auction site in HK | http://www.red-dots.com/                              | Hong Kong SAR | HK\$     |
| 48        | HK Yahoo Auction | One of the largest auction site in HK | http://hk.auctions.yahoo.com/                         | Hong Kong SAR | HK\$     |
| 47        | Go to HK         | One of the largest auction site in HK | http://www.go2hk.com                                  | Hong Kong SAR | HK\$     |

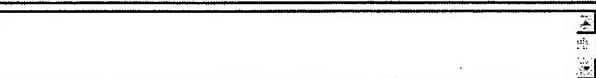
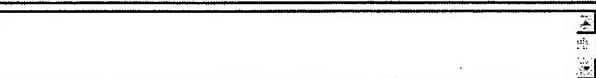
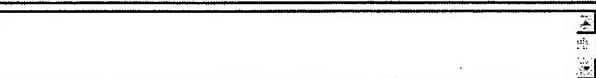
**FIGURE 53**

FIG. 52



| COOLSA Administration Console |                  |   |             |                                 |               | Country   Vendor |
|-------------------------------|------------------|---|-------------|---------------------------------|---------------|------------------|
| List Of Vendors               |                  | Vendor Name   | Description | URL                             | Country       | Currency         |
| 35                            | Best Buy Digital |   |             | http://www.bestbuydigital.com   | United States | US\$             |
| 36                            | Brandsmall.com   |   |             | http://www.brandsmall.com       | United States | US\$             |
| 18                            | buydig.com       |   |             | http://www.buydig.com           | United States | US\$             |
| 19                            | clubmac.com      |   |             | http://www.clubmac.com/clubmac/ | United States | US\$             |
| 37                            | Compuvisor       | Computer & Electronics Wholesale Superstore                     |             | http://www.compuvisor.com/      | United States | US\$             |
| 20                            | direct.mwave.com |   |             | http://direct.mwave.com         | United States | US\$             |
| 10009                         | eBay             |   |             | http://www.ebay.com             | United States |                  |
| 38                            | Meritime         | Compactflash, Smartmedia card, DVD-R, CD-R, Ink jet cartridges  |             | www.Meritime.com                | United States | US\$             |
| 17                            | msn.com          |   |             | http://eshop.msn.com            | United States | \$               |
| 21                            | pcrush.com/      |   |             | http://www.pcrush.com/          | United States | US\$             |
| 39                            | Shop4tech.net    | cheap CD-R, DVD-R, Compact Flash, Computer Desk, ink cartridges |             | Shop4tech.net                   | United States | US\$             |
| 33                            | Tek Gallery      |   |             | http://www.tekgallery.com/      | United States | \$               |
| 40                            | Vio Software     | Best Price on Microsoft, Adobe, Corel, Symantec Software.       |             | http://www.viosoftware.com      | United States | US\$             |
| 34                            | Walmart          |   |             | http://www.walmart.com/         | United States | US\$             |

**FIGURE 54**

| COOLSA Administration Console   |   | Country   Vendor                            |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
|---|---|---|--------------------|------------------------|---|-----------|-------|---|-------------|-------------|--------------|-------------|---|--|-------|---|-------------------------|------------|---|--|---------------------|--|---|----------|-------------------------|--|----------------------|-----------|--|--|--|--|----------------------|---|--|--|--|--|-----------------------|------|--|--|--|--|
| <u><a href="#">Vendor &gt; Vendor Details</a></u>   |   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| <table border="1"> <thead> <tr> <th colspan="2">Vendor Information</th> <th style="text-align: right;"><a href="#">Edit</a> <a href="#">Delete</a></th> </tr> </thead> <tbody> <tr> <td>Vendor ID</td> <td colspan="2">10009</td> </tr> <tr> <td>Vendor Name</td> <td colspan="2">eBay</td> </tr> <tr> <td>Description</td> <td colspan="2">  </td> </tr> <tr> <td>URL</td> <td colspan="2"><a href="http://www.ebay.com">http://www.ebay.com</a></td> </tr> <tr> <td>Form URL</td> <td colspan="2"><a href="http://search.ebay.com/search/search.dll?MfcISAPICommand=GetResult&amp;ht=1&amp;SortProperty=MetaEndSort&amp;query=">http://search.ebay.com/search/search.dll?MfcISAPICommand=GetResult&amp;ht=1&amp;SortProperty=MetaEndSort&amp;query=</a></td> </tr> <tr> <td>Country</td> <td colspan="2">United States <a href="#">Edit</a></td> </tr> <tr> <td>Currency</td> <td colspan="2">\$ <a href="#">Edit</a></td> </tr> </tbody> </table> |   |   | Vendor Information |                        | <a href="#">Edit</a> <a href="#">Delete</a>                       | Vendor ID | 10009 |   | Vendor Name | eBay        |              | Description |  |  | URL   | <a href="http://www.ebay.com">http://www.ebay.com</a> |                         | Form URL   | <a href="http://search.ebay.com/search/search.dll?MfcISAPICommand=GetResult&amp;ht=1&amp;SortProperty=MetaEndSort&amp;query=">http://search.ebay.com/search/search.dll?MfcISAPICommand=GetResult&amp;ht=1&amp;SortProperty=MetaEndSort&amp;query=</a> |  | Country             | United States <a href="#">Edit</a>                               |   | Currency | \$ <a href="#">Edit</a> |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Vendor Information  |   | <a href="#">Edit</a> <a href="#">Delete</a> |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Vendor ID   | 10009   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Vendor Name   | eBay  |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Description   |    |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| URL   | <a href="http://www.ebay.com">http://www.ebay.com</a>   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Form URL  | <a href="http://search.ebay.com/search/search.dll?MfcISAPICommand=GetResult&amp;ht=1&amp;SortProperty=MetaEndSort&amp;query=">http://search.ebay.com/search/search.dll?MfcISAPICommand=GetResult&amp;ht=1&amp;SortProperty=MetaEndSort&amp;query=</a> |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Country   | United States <a href="#">Edit</a>  |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Currency  | \$ <a href="#">Edit</a>   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| <table border="1"> <thead> <tr> <th colspan="5">Training Example</th> <th style="text-align: right;"><a href="#">Add</a></th> </tr> <tr> <th>Example ID</th> <th>Search Word</th> <th>Product Name</th> <th>Price</th> <th>Action</th> <th></th> </tr> </thead> <tbody> <tr> <td>10019</td> <td>Tablet PC</td> <td>Compaq Tablet PC TC1000</td> <td>\$1,699.00</td> <td><a href="#">Delete</a></td> <td></td> </tr> <tr> <td>10020</td> <td>Tablet PC</td> <td>ADR Lite Guide 3000 Fujitsu Tablet PC (NEW)</td> <td>\$987.60</td> <td><a href="#">Delete</a></td> <td></td> </tr> </tbody> </table>   |   |   | Training Example   |                        |   |           |       | <a href="#">Add</a>   | Example ID  | Search Word | Product Name | Price       | Action  |  | 10019 | Tablet PC   | Compaq Tablet PC TC1000 | \$1,699.00 | <a href="#">Delete</a>  |  | 10020               | Tablet PC  | ADR Lite Guide 3000 Fujitsu Tablet PC (NEW) | \$987.60 | <a href="#">Delete</a>  |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Training Example  |   |   |                    |                        | <a href="#">Add</a>   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Example ID  | Search Word   | Product Name                                | Price              | Action                 |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| 10019   | Tablet PC   | Compaq Tablet PC TC1000                     | \$1,699.00         | <a href="#">Delete</a> |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| 10020   | Tablet PC   | ADR Lite Guide 3000 Fujitsu Tablet PC (NEW) | \$987.60           | <a href="#">Delete</a> |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| <table border="1"> <thead> <tr> <th colspan="5">Vendor Description</th> <th style="text-align: right;"><a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Learn</a></th> </tr> <tr> <td>Head</td> <td colspan="4"></td> <td></td> </tr> <tr> <td>Tail</td> <td colspan="4"></td> <td></td> </tr> <tr> <td>Item Left Delimiter</td> <td colspan="4">&lt;a href="http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&amp;category=</td> <td></td> </tr> <tr> <td>Item Right Delimiter</td> <td colspan="4">&lt;/a&gt;&lt;/fo&gt;</td> <td></td> </tr> <tr> <td>Price Left Delimiter</td> <td colspan="4">&lt;td nowrap align="right" valign="top" width="12%&gt;&lt;font size="</td> <td></td> </tr> <tr> <td>Price Right Delimiter</td> <td colspan="4">&lt;br&gt;</td> <td></td> </tr> </thead></table>  |   |   | Vendor Description |                        |   |           |       | <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Learn</a> | Head        |             |              |             |   |  | Tail  |   |                         |            |   |  | Item Left Delimiter | <a href="http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category= |   |          |                         |  | Item Right Delimiter | </a></fo> |  |  |  |  | Price Left Delimiter | <td nowrap align="right" valign="top" width="12%><font size=" |  |  |  |  | Price Right Delimiter | <br> |  |  |  |  |
| Vendor Description  |   |   |                    |                        | <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">Learn</a> |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Head  |   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Tail  |   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Item Left Delimiter   | <a href="http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=  |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Item Right Delimiter  | </a></fo>   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Price Left Delimiter  | <td nowrap align="right" valign="top" width="12%><font size="   |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |
| Price Right Delimiter   | <br>  |   |                    |                        |   |           |       |   |             |             |              |             |   |  |       |   |                         |            |   |  |                     |  |   |          |                         |  |                      |           |  |  |  |  |                      |   |  |  |  |  |                       |      |  |  |  |  |

**FIGURE 55**

COOLSA Administration Console [Country](#) | [Vendor](#)

**Vendors > Edit Vendor Information**

---

**Edit Vendor Information**

|   |   |
|---|---|
| Vendor ID   | 10009   |
| Vendor Name   | eBay  |
| Description   | <input type="text"/>  |
| Vendor URL  | <a href="http://www.ebay.com">http://www.ebay.com</a>   |
| Form URL  | <a href="http://search.ebay.com/search/search.dll?MfcSAPICommand=GetResult&amp;ht=1&amp;SortPro">http://search.ebay.com/search/search.dll?MfcSAPICommand=GetResult&amp;ht=1&amp;SortPro</a> |
| Country   | United States <input type="button" value="▼"/>  |
| Currency  | \$ <input type="button" value="▼"/>   |
| <input type="button" value="Save"/> <input type="button" value="Cancel"/> |   |

**FIGURE 56**

COOLSA Administration Console Country | Vendor

Vendors > Edit Vendor Information

---

**Edit Vendor Information**

|             |   |
|-------------|---|
| Vendor ID   |   |
| Vendor Name |   |
| Description |   |
| Vendor URL  |   |
| Form URL    |   |
| Country     | Africa <input type="button" value="▼"/> |
| Currency    | \$ <input type="button" value="▼"/>     |

**FIGURE 57**

http://192.168.148.178:8081/coolsaadmin/example/editTrainingExample

### Edit Training Example

| Edit Training Example   |  |
|---|--|
| Example ID  |  |
| Search Word   |  |
| Product Name  |  |
| Price   |  |
| <input type="button" value="Save"/> <input type="button" value="Cancel"/> |  |

**FIGURE 58**

COOLSA Administration Console

Country | Vendor

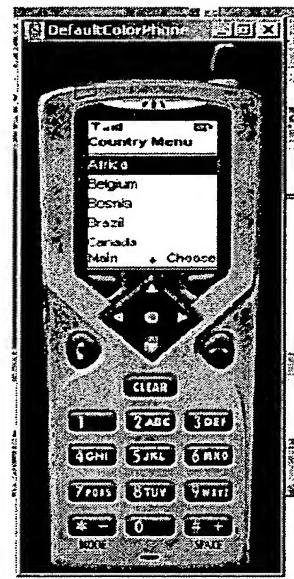
### Vendor Detail > Edit Vendor Description

| Edit Vendor Description   |  |
|---|--|
| Vendor Name   | eBay   |
| Item Left Delimiter   | <a href="http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category= |
| Item Right Delimiter  | </a></fo   |
| Price Left Delimiter  | <td nowrap align=right valign=top width=12%><font siz            |
| Price Right Delimiter   | <BR>   |
| <input type="button" value="Save"/> <input type="button" value="Cancel"/> |  |

**FIGURE 59**



**FIGURE 60A**



**FIGURE 60B**



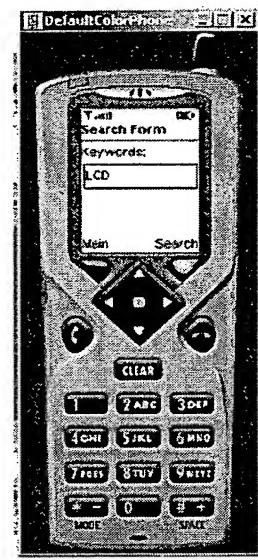
**FIGURE 61A**



**FIGURE 61B**



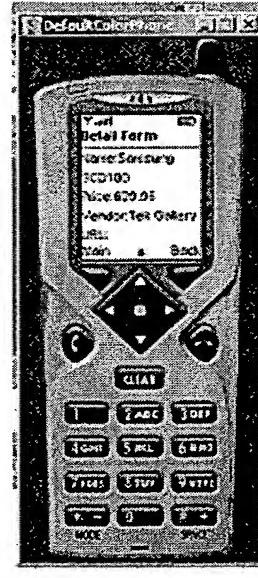
**FIGURE 61C**



**FIGURE 61D**

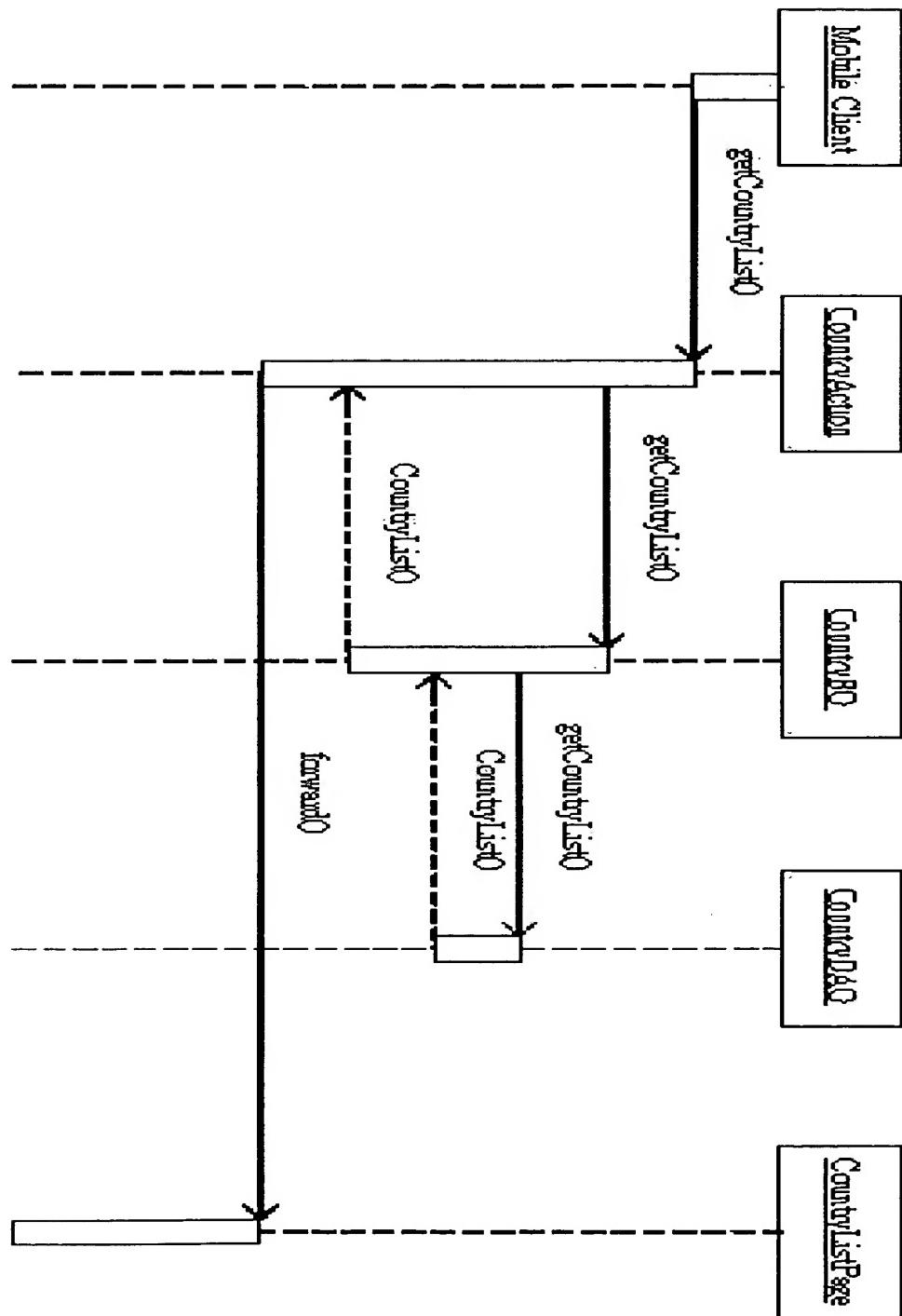


**FIGURE 61E**



**FIGURE 61F**

FIG. 62



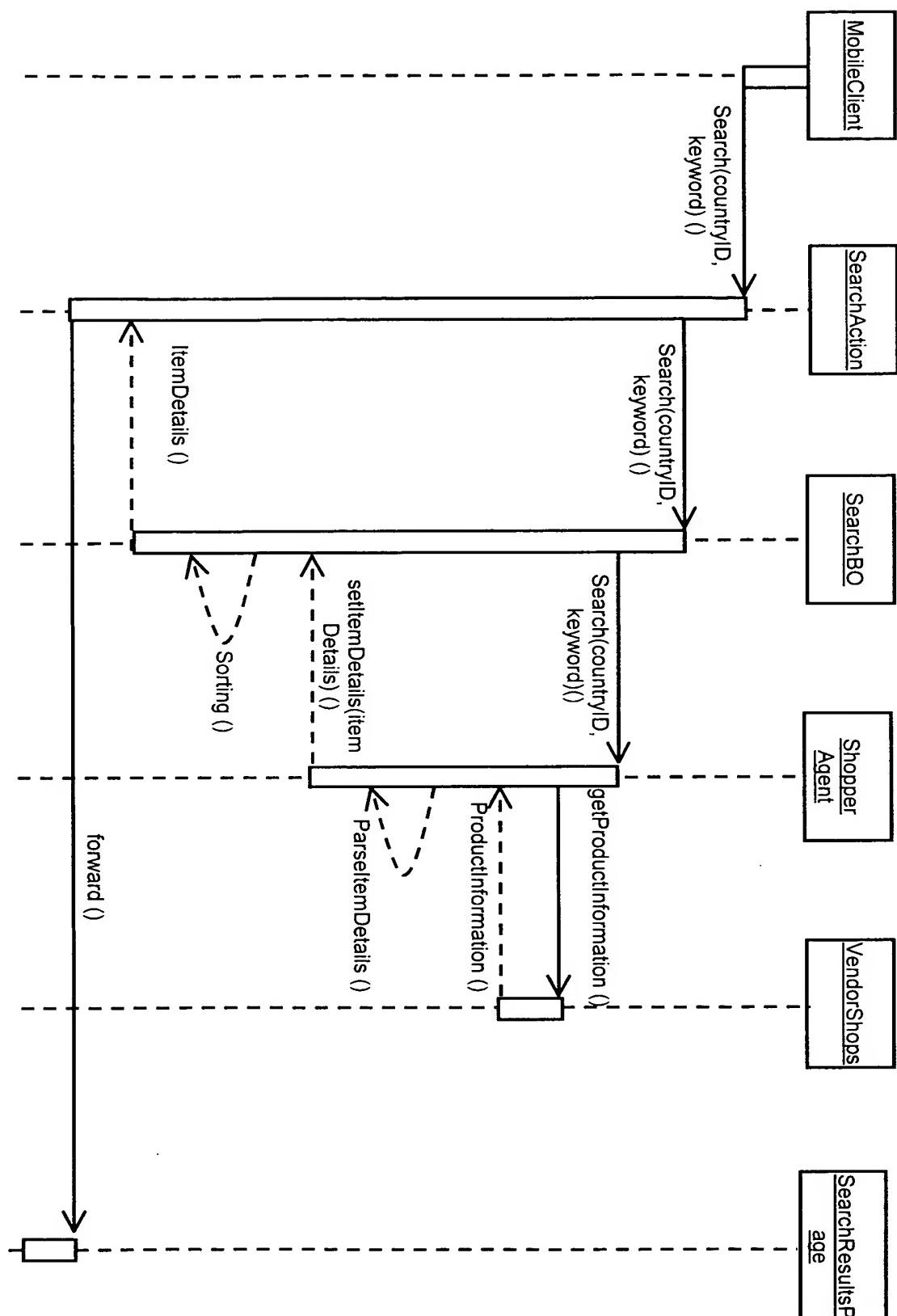
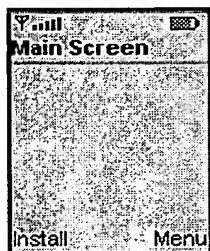


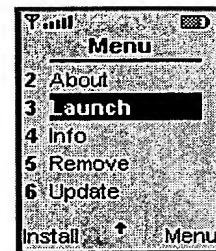
FIG. 63



**FIGURE 64A**



**FIGURE 64B**



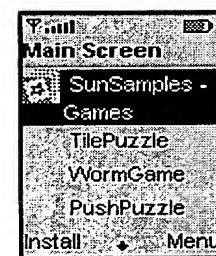
**FIGURE 64C**



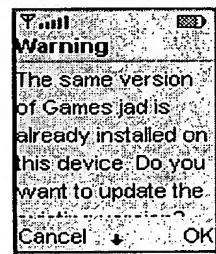
**FIGURE 64D**



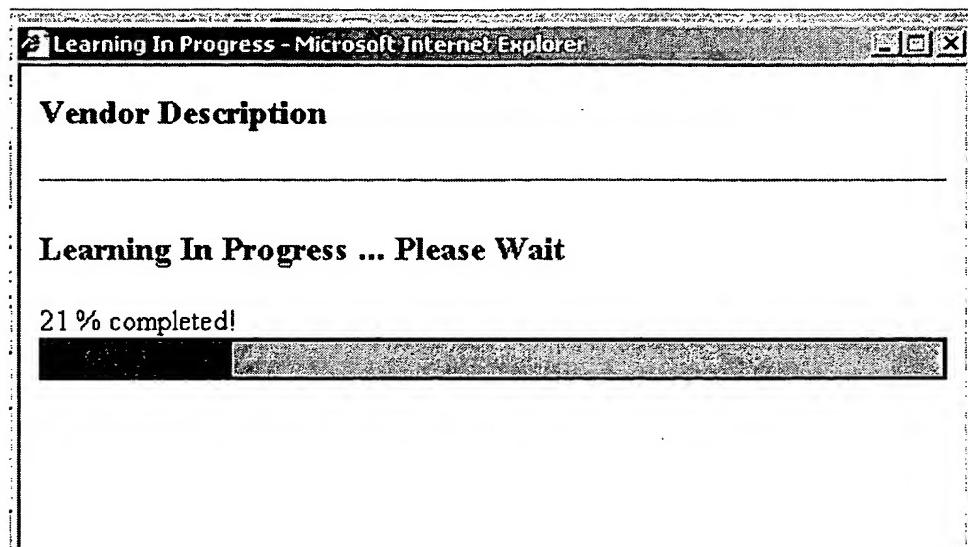
**FIGURE 64E**



**FIGURE 64F**



**FIGURE 64G**



**FIGURE 65**